### Constituents by GICS® Industry Group

#### 1010 – Energy

High Impact

CONSTITUENT	SYMBOL	DECILE CLASSIFICATION	CARBON DISCLOSURE STATUS
SK Discovery Co Ltd	6120	1	Not Disclosed
HD HYUNDAI	267250	3	Not Disclosed
SK Innovation Co Ltd	96770	5	Disclosed
S-Oil Corp	10950	7	Disclosed

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#### 1510 – Materials

Equity S&P/KRX Carbon Efficient Capped Index

#### High Impact

**Constituent Report** 

EnChem Co Ltd 348370 1 Not Disclosed	CONSTITUENT	SYMBOL	DECILE CLASSIFICATION	CARBON DISCLOSURE STATUS
Ent Tachnology Co Ltd     102710     1     Not Disclosed       HDC Holdings Co Ltd     12630     1     Not Disclosed       HDC Holdings Co Ltd     81000     1     Not Disclosed       MNTech Co Ltd     95500     1     Not Disclosed       Poorgaan Corp     103140     1     Disclosed       Soubtrain Co Ltd     35780     1     Disclosed       Soubtrain Co Ltd     35780     1     Not Disclosed       Dongin Somichem Co Ltd     35700     2     Not Disclosed       Dongsung Finetoc Co Ltd     35500     2     Not Disclosed       Dongsung Ta C Co Ltd     299020     2     Not Disclosed       HLB Giobal Co     3580     2     Not Disclosed       HYosung T& C Co Ltd     138490     2     Not Disclosed       Namun Aluminium Co Ltd     178920     2     Not Disclosed       PI Advanced Materials Co. Ltd     178920     3     Not Disclosed       Hankuk Carbon Co Ltd     17890     3     Not Disclosed       Hankuk Carbon Co Ltd     17890     3     Not Disclos	Chemtros Co Ltd	220260	1	Not Disclosed
HDC Holdings Co Ltd     12630     1     Net Disclosed       Iljin Diamond Co Ltd     81000     1     Not Disclosed       Pongsan Corp     10340     1     Not Disclosed       Pongsan Corp     10340     1     Disclosed       Soulbrain Co Ltd     357780     1     Disclosed       Soulbrain Holdings Co Ltd     357780     1     Not Disclosed       Dongjin Semichem Co Ltd     35700     2     Not Disclosed       Dongsung Finetec Co Ltd     35500     2     Not Disclosed       Dongwha Enterprise Co Ltd     25900     2     Not Disclosed       HLB Global Co     3580     2     Not Disclosed       Hyosung T & C Co Ltd     299020     2     Disclosed       Namau Aluminium Co Ltd     8350     2     Not Disclosed       Namau Aluminium Co Ltd     17920     2     Not Disclosed       Hankuk Caroon Co Ltd     17980     3     Not Disclosed       Hannong Chemicals Inc.     1500     3     Not Disclosed       Koto Industries Inc     20101     3     Disclosed <td>EnChem Co Ltd</td> <td>348370</td> <td>1</td> <td>Not Disclosed</td>	EnChem Co Ltd	348370	1	Not Disclosed
Itin Diamond Co Ltd     81000     1     Not Disclosed       MNTech Co Ltd     95500     1     Not Disclosed       Poongsan Corp     103140     1     Disclosed       Soulbrain Co Ltd     357780     1     Disclosed       Soulbrain Holdings Co Ltd     36830     1     Not Disclosed       Dongjin Semichem Co Ltd     5290     2     Not Disclosed       Dongwan Enterprise Co Ltd     33500     2     Not Disclosed       Dongwan Enterprise Co Ltd     25900     2     Not Disclosed       HLB Global Co     3580     2     Not Disclosed       Hyosung T & C Co Ltd     298020     2     Not Disclosed       Namsun Aluminium Co Ltd     8350     2     Disclosed       PI Advanced Materials Co Ltd     178920     2     Not Disclosed       Hankuk Carbon Co Ltd     17960     3     Not Disclosed       Isu Chernicals Inc.     11500     3     Not Disclosed       Isu Chernical Co     6950     3     Not Disclosed       Koto Industrial Inc.     120110     3     Not Di	Enf Technology Co Ltd	102710	1	Not Disclosed
Milloch Co Ltd     95500     1     Not Disclosed       Poongsan Corp     103140     1     Disclosed       Soulbrain Co Ltd     357780     1     Disclosed       Soulbrain Holdings Co Ltd     36830     1     Not Disclosed       Dongsin Semichem Co Ltd     5290     2     Not Disclosed       Dongsung Finetec Co Ltd     35500     2     Not Disclosed       Dongwane Enterprise Co Ltd     25900     2     Not Disclosed       Dongwane Enterprise Co Ltd     298020     2     Not Disclosed       HLB Giobal Co     3580     2     Not Disclosed       Hyosung T& C Co Ltd     298020     2     Not Disclosed       Namaun Aluminium Co Ltd     8560     2     Disclosed       Pl Advanced Materials Co Ltd     178920     2     Not Disclosed       Lo Ltd     17960     3     Not Disclosed       Su Co CIRP     380     3     Not Disclosed       Isu Chemical Co     5950     3     Not Disclosed       Koto Industrial Inc.     17980     3     Not Disclosed <td>HDC Holdings Co Ltd</td> <td>12630</td> <td>1</td> <td>Not Disclosed</td>	HDC Holdings Co Ltd	12630	1	Not Disclosed
Poongsan Corp1031401DisclosedSoutbrain Co Ltd3577801Not DisclosedSoutbrain Holdings Co Ltd368301Not DisclosedDongjin Semichem Co Ltd52902Not DisclosedDongsung Finetec Co Ltd335002Not DisclosedDongwha Enterprise Co Ltd259002Not DisclosedHLB Global Co35802Not DisclosedHyosung T & C Co Ltd2980202DisclosedKolon ENP Inc1384902Not DisclosedPI Advanced Materials Co Ltd798202Not DisclosedDL Co Ltd1799202Not DisclosedHankuk Carbon Co Ltd179603Not DisclosedIsu Co Corp3300Not Disclosed1Southrain Co Ltd179603Not DisclosedIsu Chemical Inc.115003Not DisclosedIsu Chemical Co3803Not DisclosedKCC CORP23803Not DisclosedKorea Alcohl Industriel Co. Ltd178903Not DisclosedIsk Materials Co Ltd181703DisclosedAekyung Chemical Co161003DisclosedAekyung Chemical Co161004Not DisclosedCongel, Li Autoriati164004Not DisclosedCongel, Stama Aluminium Co Ltd184704DisclosedChoil Aluminum Co Ltd184704DisclosedChoil Aluminum Co Ltd184204Disclosed<	Iljin Diamond Co Ltd	81000	1	Not Disclosed
Jubraic O Ltd     357780     1     Disclosed       Soulbraic O Ltd     36830     1     Not Disclosed       Dongsing Senichem Co Ltd     5290     2     Not Disclosed       Dongsing Finetec Co Ltd     33500     2     Not Disclosed       Dongwha Enterprise Co Ltd     25900     2     Not Disclosed       HLB Global Co     3580     2     Not Disclosed       Hyosing T & C Co Ltd     298020     2     Not Disclosed       Hyosing T & C Co Ltd     138490     2     Not Disclosed       Holdwared Materials Co Ltd     178920     2     Not Disclosed       Namsun Aluminium Co Ltd     8350     2     Not Disclosed       DL Co Ltd     178920     2     Not Disclosed       Hankuk Carbon Co Ltd     17960     3     Not Disclosed       Isu Chemicals Inc.     11500     3     Not Disclosed       Korea Alcohol Industrial Co. Ltd     17890     3     Not Disclosed       Korea Alcohol Industrial Co. Ltd     17890     3     Not Disclosed       Korea Alcohol Industrial Co. Ltd     18470	MNTech Co Ltd	95500	1	Not Disclosed
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Dongwon Systems Corp148204DisclosedHanwha Solutions98304Disclosed	Choil Aluminum Co Ltd	18470	4	Disclosed
Hanwha Solutions 9830 4 Disclosed	Dongkuk Industries	5160	4	Not Disclosed
	Dongwon Systems Corp	14820	4	Disclosed
KG Chemical Corp 1390 4 Not Disclosed	Hanwha Solutions	9830	4	Disclosed
	KG Chemical Corp	1390	4	Not Disclosed

A Division of S&P Global

#### 1510 – Materials

	Equity
S&P/KRX Carbon	Efficient Capped Index

#### High Impact

**Constituent Report** 

Kyung-In126104Not DisclosedLG Chem Ltd519104DisclosedLDTTE Fine Chemicals Co40004DisclosedSK Chemicals Co2951304DisclosedSong Woun Industries Co44304Not DisclosedAdvanced Nano Products Co. Ltd.1216005Not DisclosedCHUNBO Co Ltd2782805Not DisclosedChemical Co Ltd54205Not DisclosedChemical Co Ltd146805Not DisclosedHansol Paper Co Ltd135005DisclosedHyundai BNG Steel Co Ltd45605DisclosedKorea Zinc Co101305DisclosedSKC117905DisclosedSKG117905DisclosedUnid Co148305Not DisclosedWonk Materials Co Ltd1048305Not DisclosedWink Materials Co Ltd2513705Not DisclosedYMT Co Ltd2513706DisclosedAsia Paper Manufacturing Co. Ltd23106DisclosedHyosung Advanced Material Co Ltd2980006Disclosed	CONSTITUENT	SYMBOL	DECILE CLASSIFICATION	CARBON DISCLOSURE STATUS
Communication     Silence     4     Disclosed       LOTTE Fine Chemicals Co     4000     4     Disclosed       SK Chemicals Co     285130     4     Disclosed       Song Woun Industries Co     4430     4     Not Disclosed       Advanced Nano Products Co. Ltd.     124500     5     Not Disclosed       CHUNBO Co Ltd     278280     5     Not Disclosed       Leased Chemical     14680     5     Not Disclosed       Hansol Chemical     14680     5     Disclosed       Hansol Paper Co. Ltd     218500     5     Disclosed       Hyundai BNG Steel Co. Ltd     4580     5     Disclosed       Hyundai ENG Steel Co. Ltd     4680     5     Disclosed       KG Dongbu Steel Co     1030     5     Disclosed       SKC     10790     5     Disclosed       SKC     17990     5     Not Disclosed       Unid Co     14330     5     Not Disclosed       Vind Yout     5     Not Disclosed     Siclosed       Vind Co     4330	Kum Yang Co	1570	4	Not Disclosed
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Hansol Chemical146805Net DisclosedHansol Paper Co Ltd2135005DisclosedHyundai BNG Steel Co Ltd45605Not DisclosedKG Dongbu Steel Co163805Not DisclosedKorea Zinc Co101305DisclosedLotte Chemical Corporation111705DisclosedSKC117905DisclosedSeah Besteel Holding14305Not DisclosedLotte Chemical Corporation148305Not DisclosedWonik Materials Co Ltd1048305Not DisclosedVMT Co Ltd2513706DisclosedAsia Paper Manufacturing Co. Ltd290506DisclosedHyosung Advanced Material Co Ltd298006DisclosedKorea Petro Chemical Co Ltd17806DisclosedNamhae Chemical Co Ltd17806DisclosedNamhae Chemical Co Ltd17806DisclosedNamhae Chemical Co Ltd17806Not DisclosedVaul Chon Chemic	CHUNBO Co Ltd	278280	5	Not Disclosed
Hansol Paper Co Ltd2135005DisclosedHyundai BNG Steel Co Ltd45605Not DisclosedKG Dongbu Steel Co163805Not DisclosedKorea Zinc Co101305DisclosedLotte Chemical Corporation111705DisclosedSKC117905DisclosedSeah Besteel Holding14305Not DisclosedLind Chemical Corporation148305Not DisclosedUnid Co148305Not DisclosedWonik Materials Co Ltd1048305Not DisclosedYMT Co Ltd2513706DisclosedSosung Co Ltd933706DisclosedHyosung Advanced Material Co Ltd17806DisclosedKorea Petro Chemical Co Ltd17806DisclosedNamhae Chemical Co Ltd17806DisclosedNamhae Chemical Co Ltd17806Not DisclosedVaul Achterial Co Ltd17806Not DisclosedVaul Achterial Co Ltd17806Not DisclosedVaul Achterial Co Ltd17806Not DisclosedNamhae Chemical Co Ltd160606Not DisclosedVaul Chon Chemical Co. Ltd87306Not DisclosedYoul Chon Chemical Co. Ltd87306Not Disclosed	Cosmo Chemical Co Ltd	5420	5	Not Disclosed
Hyundai BNG Steel Co Ltd45605DisclosedKG Dongbu Steel Co163805Not DisclosedKorea Zinc Co101305DisclosedLotte Chemical Corporation111705DisclosedSKC17905DisclosedSeah Besteel Holding14305Not DisclosedTKG Huchems692605Not DisclosedUnid Co148305Not DisclosedWonk Materials Co Ltd1048305Not DisclosedYMT Co Ltd2513706DisclosedFoosung Co Ltd930706DisclosedHyosung Advanced Material Co Ltd17806DisclosedHyosung Chemical Ind66506DisclosedHyosung Chemical Co Ltd17806DisclosedNamhae Chemical Co Ltd17806DisclosedO'Cl Holdings Co Ltd17806DisclosedNamhae Chemical Co Ltd17806DisclosedO'Cl Holdings Co Ltd100606Not DisclosedO'Cl Holdings Co Ltd17806Not DisclosedCongang Inc15206Not DisclosedTongyang Inc15206Not DisclosedYau Chon Chemical Co. Ltd87306Not Disclosed	Hansol Chemical	14680	5	Not Disclosed
KG Dongbu Steel Co163805Not DisclosedKG Dongbu Steel Co101305DisclosedKorea Zinc Co101305DisclosedLotte Chemical Corporation111705DisclosedSKC117905DisclosedSkc hemical Corporation14305Not DisclosedSeah Besteel Holding14305Not DisclosedTKG Huchems692605Not DisclosedUnid Co148305Not DisclosedWonik Materials Co Ltd1048305Not DisclosedYMT Co Ltd2513705Not DisclosedFoosung Co Ltd933706DisclosedHyosung Advanced Material Co Ltd2980006DisclosedHyosung Chemical Ind6650DisclosedSclosedKumho Petro Chemical Ind6650DisclosedNot DisclosedNamhae Chemical258606Not DisclosedCo Ltd100606Not DisclosedVandae Chemical Co Ltd100606Not DisclosedNamhae Chemical Co Ltd100606Not DisclosedVandae Chemical Co Ltd100606Not DisclosedVandae Chemical Co Ltd15206Not Disclosed	Hansol Paper Co Ltd	213500	5	Disclosed
Korea Zinc Co101305DisclosedLotte Chemical Corporation111705DisclosedSKC117905DisclosedSeah Besteel Holding14305Not DisclosedTKG Huchems692605Not DisclosedUnid Co148305Not DisclosedWonik Materials Co Ltd1048305Not DisclosedYMT Co Ltd251705Not DisclosedAsia Paper Manufacturing Co. Ltd23106DisclosedHyosung Chemical Co Ltd298006DisclosedKorea Petro Chemical Co Ltd17806DisclosedNumhae Chemical Co Ltd17806DisclosedColl Holdings Co Ltd100606Not DisclosedNamhae Chemical Co. Ltd15206Not DisclosedStore Petro Chemical Co. Ltd17806Not DisclosedNamhae Chemical Co. Ltd15206Not DisclosedColl Holdings Co Ltd15206Not DisclosedStore Petro Chemical Co. Ltd17806Not DisclosedNamhae Chemical Co. Ltd15206Not DisclosedColl Holdings Co Ltd15206Not DisclosedTongyang Inc15206Not DisclosedStore Petro Chemical Co. Ltd87306Not Disclosed	Hyundai BNG Steel Co Ltd	4560	5	Disclosed
Lotte Chemical Corporation111705DisclosedSKC117905DisclosedSeah Besteel Holding14305Not DisclosedTKG Huchems692605Not DisclosedUnid Co148305Not DisclosedWonik Materials Co Ltd1048305Not DisclosedYMT Co Ltd2513705Not DisclosedAsia Paper Manufacturing Co. Ltd23106DisclosedHyosung Chemical Co Ltd2980506DisclosedKorea Petro Chemical Ind66506DisclosedKumho Petro Chemical Co Ltd117806DisclosedNamhae Chemical100606Not DisclosedColl Holdings Co Ltd18206Not DisclosedNamhae Chemical5Not Disclosed6Not Disclosed6DisclosedNamhae Chemical100606Not DisclosedNamhae Chemical Co Ltd17806Not DisclosedNamhae Chemical Co Ltd17806Not DisclosedNamhae Chemical100606Not DisclosedNamhae Chemical Co Ltd17806Not DisclosedNamhae Chemical Co Ltd17806Not DisclosedNamhae Chemical Co Ltd18206Not DisclosedNamhae Chemical Co Ltd18306Not DisclosedNamhae Chemical Co Ltd18306Not DisclosedNamhae Chemical Co Ltd87306Not Disclosed <td>KG Dongbu Steel Co</td> <td>16380</td> <td>5</td> <td>Not Disclosed</td>	KG Dongbu Steel Co	16380	5	Not Disclosed
SKC117905DisclosedSeah Besteel Holding14305Not DisclosedTKG Huchems692605Not DisclosedJuid Co148305Not DisclosedNonik Materials Co Ltd1048305Not DisclosedYMT Co Ltd2513705Not DisclosedAsia Paper Manufacturing Co. Ltd33706DisclosedHyosung Co Ltd938706DisclosedHyosung Chemical Co Ltd17806DisclosedKurho Petro Chemical Co Ltd17806DisclosedNamhae Chemical258606Not DisclosedCol Holdings Co Ltd100606Not DisclosedNamhae Chemical15206Not DisclosedNamhae Chemical17806Not DisclosedNamhae Chemical100606Not DisclosedNamhae Chemical17806Not Disclosed<	Korea Zinc Co	10130	5	Disclosed
Seah Besteel Holding14305Not DisclosedSGeh Besteel Holding692605Not DisclosedTKG Huchems692605Not DisclosedUnid Co148305Not DisclosedWonik Materials Co Ltd1048305Not DisclosedYMT Co Ltd2513705Not DisclosedAsia Paper Manufacturing Co. Ltd23106DisclosedFoosung Co Ltd933706DisclosedHyosung Advanced Material Co Ltd2980006DisclosedKorea Petro Chemical Co Ltd2980006DisclosedKumho Petro Chemical Co Ltd17806DisclosedNathae Chemical258606Not DisclosedOCI Holdings Co Ltd100606Not DisclosedTongyang Inc15206Not DisclosedWont Disclosed6Not DisclosedTongyang Inc87306Not Disclosed	Lotte Chemical Corporation	11170	5	Disclosed
TKG Huchems692605Not DisclosedUnid Co148305Not DisclosedWonik Materials Co Ltd1048305Not DisclosedYMT Co Ltd2513705Not DisclosedAsia Paper Manufacturing Co. Ltd23106DisclosedFoosung Co Ltd933706DisclosedHyosung Advanced Material Co Ltd2980506DisclosedHyosung Chemical Co Ltd2980506DisclosedKorea Petro Chemical Ind66506DisclosedNamhae Chemical17806DisclosedOCI Holdings Co Ltd100606Not DisclosedTongyang Inc15206Not Disclosed	SKC	11790	5	Disclosed
Unid Co148305Not DisclosedWonik Materials Co Ltd1048305Not DisclosedYMT Co Ltd2513705Not DisclosedAsia Paper Manufacturing Co. Ltd23106DisclosedFoosung Co Ltd933706DisclosedHyosung Advanced Material Co Ltd2980506DisclosedHyosung Chemical Co Ltd2980006DisclosedKorea Petro Chemical Ind66506DisclosedKumho Petro Chemical Co Ltd117806Not DisclosedCo Ltd10606Not DisclosedCo Ltd10606Not DisclosedCo Ltd15206Not DisclosedCo Ltd15206Not DisclosedCo Ltd16006Not DisclosedCo Ltd17806Not DisclosedCo Ltd17806Not DisclosedCo Ltd17806Not DisclosedCo Ltd17806Not DisclosedCo Ltd17806Not DisclosedCo Ltd17806Not DisclosedCo Ltd15206Not Disclosed	Seah Besteel Holding	1430	5	Not Disclosed
Wonik Materials Co Ltd1048305Not DisclosedYMT Co Ltd2513705Not DisclosedAsia Paper Manufacturing Co. Ltd23106DisclosedFoosung Co Ltd933706DisclosedHyosung Advanced Material Co Ltd2980506DisclosedHyosung Chemical Co Ltd2980006DisclosedKorea Petro Chemical Ind66506DisclosedKumho Petro Chemical Co Ltd117806DisclosedNamhae Chemical Co Ltd106006Not DisclosedTongyang Inc15206Not DisclosedYMT Co Ltd87306Not Disclosed	TKG Huchems	69260	5	Not Disclosed
YMT Co Ltd2513705Not DisclosedAsia Paper Manufacturing Co. Ltd23106DisclosedFoosung Co Ltd933706DisclosedHyosung Advanced Material Co Ltd2980506DisclosedHyosung Chemical Co Ltd2980006DisclosedKorea Petro Chemical Ind66506DisclosedKumho Petro Chemical Co Ltd117806DisclosedNamhae Chemical258606Not DisclosedCo Ltd100606Not DisclosedCo Ltd15206Not DisclosedSongang Inc15206Not DisclosedYou Chom Chemical Co. Ltd87306Not Disclosed	Unid Co	14830	5	Not Disclosed
Asia Paper Manufacturing Co. Ltd23106DisclosedFoosung Co Ltd933706DisclosedHyosung Advanced Material Co Ltd2980506DisclosedHyosung Chemical Co Ltd2980006DisclosedKorea Petro Chemical Ind66506DisclosedKumho Petro Chemical Co Ltd117806DisclosedNamhae Chemical258606Not DisclosedOCI Holdings Co Ltd100606Not DisclosedTongyang Inc15206Not DisclosedYou Chon Chemical Co. Ltd87306Not Disclosed	Wonik Materials Co Ltd	104830	5	Not Disclosed
Foosung Co Ltd933706DisclosedHyosung Advanced Material Co Ltd2980506DisclosedHyosung Chemical Co Ltd2980006DisclosedKorea Petro Chemical Ind66506DisclosedKumho Petro Chemical Co Ltd117806DisclosedNamhae Chemical258606Not DisclosedOCI Holdings Co Ltd100606Not DisclosedTongyang Inc15206Not DisclosedYoul Chon Chemical Co. Ltd87306Not Disclosed	YMT Co Ltd	251370	5	Not Disclosed
Hyosung Advanced Material Co Ltd2980506DisclosedHyosung Chemical Co Ltd2980006DisclosedKorea Petro Chemical Ind66506DisclosedKumho Petro Chemical Co Ltd117806DisclosedNamhae Chemical258606Not DisclosedOCI Holdings Co Ltd100606Not DisclosedTongyang Inc15206Not DisclosedYoul Chon Chemical Co. Ltd87306Not Disclosed	Asia Paper Manufacturing Co. Ltd	2310	6	Disclosed
Hyosung Chemical Co Ltd2980006DisclosedKorea Petro Chemical Ind66506DisclosedKumho Petro Chemical Co Ltd117806DisclosedNamhae Chemical258606Not DisclosedOCI Holdings Co Ltd100606Not DisclosedTongyang Inc15206Not DisclosedYoul Chon Chemical Co. Ltd87306Not Disclosed	Foosung Co Ltd	93370	6	Disclosed
Korea Petro Chemical Ind66506DisclosedKumho Petro Chemical Co Ltd117806DisclosedNamhae Chemical258606Not DisclosedOCI Holdings Co Ltd100606Not DisclosedTongyang Inc15206Not DisclosedYoul Chon Chemical Co. Ltd87306Not Disclosed	Hyosung Advanced Material Co Ltd	298050	6	Disclosed
Kumho Petro Chemical Co Ltd117806DisclosedNamhae Chemical258606Not DisclosedOCI Holdings Co Ltd100606Not DisclosedTongyang Inc15206Not DisclosedYoul Chon Chemical Co. Ltd87306Not Disclosed	Hyosung Chemical Co Ltd	298000	6	Disclosed
Namhae Chemical258606Not DisclosedOCI Holdings Co Ltd100606Not DisclosedTongyang Inc15206Not DisclosedYoul Chon Chemical Co. Ltd87306Not Disclosed	Korea Petro Chemical Ind	6650	6	Disclosed
OCI Holdings Co Ltd100606Not DisclosedTongyang Inc15206Not DisclosedYoul Chon Chemical Co. Ltd87306Not Disclosed	Kumho Petro Chemical Co Ltd	11780	6	Disclosed
Tongyang Inc15206Not DisclosedYoul Chon Chemical Co. Ltd87306Not Disclosed	Namhae Chemical	25860	6	Not Disclosed
Youl Chon Chemical Co. Ltd 8730 6 Not Disclosed	OCI Holdings Co Ltd	10060	6	Not Disclosed
	Tongyang Inc	1520	6	Not Disclosed
Eugene Corp 23410 7 Not Disclosed	Youl Chon Chemical Co. Ltd	8730	6	Not Disclosed
	Eugene Corp	23410	7	Not Disclosed

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#### 1510 – Materials

#### High Impact

CONSTITUENT	SYMBOL	DECILE CLASSIFICATION	CARBON DISCLOSURE STATUS
OCI Company Limited	456040	7	Not Disclosed
KG Eco Solution Co Ltd	151860	8	Not Disclosed
POSCO Holdings	5490	8	Disclosed
Dongkuk Holdings Co Ltd	1230	9	Not Disclosed
Hyundai Steel Co	4020	9	Disclosed
TCC Steel Co. Ltd	2710	9	Not Disclosed
Hanil Cement Co Ltd	300720	10	Disclosed
Sungshin Cement	4980	10	Disclosed
Dongkuk Coated Metal Co Ltd	460850	Not Assigned	Not Disclosed
Dongkuk Steel Mill Co Ltd	460860	Not Assigned	Not Disclosed
Isu Specialty Chemical Co Ltd	457190	Not Assigned	Not Disclosed
Posco M-Tech Co Ltd	9520	Not Assigned	Not Disclosed
Sebitchem Co Ltd	107600	Not Assigned	Not Disclosed

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### 2010 – Capital Goods

EPCD Engineering & Construction     52890     1     Disclosed       13 Next Co Ltd     74650     1     Disclosed       3K Networks Co Ltd     1740     1     Disclosed       3K Networks Co Ltd     402340     1     Not Disclosed       3K Networks Co Ltd     319400     2     Not Disclosed       Janison Co Ltd     18000     2     Not Disclosed       Janison Co Ltd     18000     2     Not Disclosed       Disclosed Cu Td     3600     3     Disclosed       Disclosed Cu Td     37560     3     Disclosed       Disclosed Cu Td     36260     3     Not Disclosed       Disclosed Cu Td     36260     3     Disclosed       Disclosed Cu Td     36260     3     Disclosed       Disclosed Cu Td     270520     3     Not Disclosed       Type Lift Cu Td     270520     3     Disclosed       Type Lift Cu Td     5440     3     Disclosed       Type Lift Co Ltd     5440     3     Disclosed       Type Lift So Con Ltd     54	CONSTITUENT	SYMBOL	DECILE CLASSIFICATION	CARBON DISCLOSURE STATUS
Datage     Disclosed     Disclosed       13 Nack Co Ltd     79500     1     Disclosed       5K Networks Co Ltd     7400     1     Disclosed       5K Square Co Ltd.     402340     1     Disclosed       amsung GR Corp.     28260     1     Disclosed       tuyndai Movex Co Ltd     319400     2     Not Disclosed       Jnison Co Ltd     319400     2     Not Disclosed       JL E&C Co Ltd     319400     2     Not Disclosed       Scopen Figle Construction     36260     3     Disclosed       Scopen Figle Construction     6390     3     Disclosed       Scopen Figle Construction     7050     3     Not Disclosed       Styndai En gle Construction     720     3     Not Disclosed       Styndai G	Hanwha Systems Co Ltd	272210	1	Disclosed
KNetworks Co Ltd17401DisclosedSK Square Co Ltd.4023401Not DisclosedSamsung C&T Corp.282601DisclosedLuyndai Movex Co Ltd3194002Not DisclosedJnison Co Ltd80002Not DisclosedJnison Co Ltd80003Not DisclosedDL E&C Co Ltd3755003DisclosedSS Engineering & Construction63603DisclosedSS Engineering & Construction63603DisclosedSecti E Engy Co Ltd2705203Not DisclosedJydou Lithum Inc1016703Not DisclosedHydro Lithum Inc1016703DisclosedHydro Lithum Inc1016703DisclosedHydro Lithum Inc643503DisclosedHydro Lithum Inc643503DisclosedHydro Lithum Inc55403DisclosedHydro Lithum Inc27903DisclosedHydro Lithum Inc643503DisclosedHydro Lithum Inc55403DisclosedStranspace Industris Litd478103DisclosedAphobartos Inc279103Not DisclosedShinbow Robotics Inc279604Not DisclosedStranspace Industris Litd74004DisclosedAphobartos Inc279803Not DisclosedAphobartos Inc279804Not DisclosedAphobartos Inc2698304No	KEPCO Engineering & Construction Co Inc	52690	1	Disclosed
SK Square Co Ltd.402401Not DisclosedSamsung C&T Corp.282601Disclosedtuyndal Movex Co Ltd3194002Not DisclosedJnison Co Ltd180002Not DisclosedDisclosed3Not DisclosedSPR Co LTD2622603Not DisclosedDisclosed3DisclosedDisclosed3DisclosedSe Co Ltd3362603DisclosedSo Corp63803DisclosedSe Engineering & Construction63803DisclosedSe Orp1016703Not DisclosedYoundai Eng X Const Co7203DisclosedYoundai Eng X Const Co7203Not DisclosedYoundai Eng X Const Co7203DisclosedYoundai Eng X Const Co7203DisclosedYoundai Eng X Const Co7203Not DisclosedYoundai Eng X Const Co7203Not DisclosedYoundai Eng X Const Co103DisclosedYoundai Eng X Const Co255403DisclosedYoundai Corporation7460<	LIG Nex1 Co Ltd	79550	1	Disclosed
Samsung C&T Corp.282601Disclosedtuyndai Movex Co Ltd3194002Not DisclosedJnison Co Ltd180002Not DisclosedAPRO Co LTD2622603Not DisclosedDL E&C Co Ltd3755003DisclosedDosan Fuel Cell Co Ltd3362603DisclosedSale Engineering & Construction Corp63603DisclosedSale Tenregy Co Ltd1016703Not Disclosedsoglet Energy Co Ltd1016703Disclosedtyydra Lithuin Inc1016703Disclosedtyydra Lithuin Inc1016703Disclosedtyundai Eng & Const Co7203Disclosedtyundai Eng & Const Co7203Disclosedtyundai Rotem Company643503DisclosedKUMHOE&Co Ltd29903DisclosedKumo Robotics Inc255403Disclosedanahow Robotics Inc2569303Not DisclosedPalevoo Engineering & Corperution126104DisclosedSerigen Inc74004DisclosedDisclosed4Not Disclosed2Serigen Inc126104DisclosedApprogen Inc126104Not DisclosedDisclosed4Not Disclosed2Dawonsys Co Ltd682004Not DisclosedAnno Ling Corperution8804Not DisclosedDawonsys Co Ltd12604N	SK Networks Co Ltd	1740	1	Disclosed
Lundail Move. Co Ltd3194002Not DisclosedJunison Co Ltd180002Not DisclosedAPRO Co LTD2622603Not DisclosedDL E&C Co Ltd3755003DisclosedDosan Fuel Cell Co Ltd3362603DisclosedSe Engineering & Construction63603DisclosedSolt Energy Co Ltd2705203Not Disclosed4yosung Corp48003Disclosed4youndai GF Holdings Co Ltd54403Disclosed4yundai Kotem Company643503Disclosed4yundai Kotem Company643503Disclosed4vundai Kotem Company643503Disclosed4vundai Kotem Company643503Disclosed4vundai Kotem Company643503Disclosed4vundai Kotem Company643503Disclosed4vundai Rotem Company643503Disclosed4vundai Rotem Company643503Disclosed4vundai Rotem Company643503Disclosed4vundai Rotem Company643503Disclosed4vundai Rotem Company656403Disclosed31103Not Disclosed31103Not Disclosed41203Not Disclosed3120126104312012610341204Not Disclosed3126104Not Disclosed<	SK Square Co Ltd.	402340	1	Not Disclosed
Juison Co Ltd180002Not DisclosedAPRO Co LTD2622603Not DisclosedDLEBC Co Ltd3755003DisclosedDosan Fuel Cell Co Ltd362603DisclosedDarp63603Not DisclosedBaelit Energy Co Ltd705203Not DisclosedBaelit Energy Co Ltd1016703Not DisclosedHyundai Eng & Construction1016703Not DisclosedHyundai GF Holdings Co Ltd54403DisclosedHyundai GF Holdings Co Ltd54403Not DisclosedHyundai GF Holdings Co Ltd29903DisclosedKolon Corp20203Not DisclosedKolon Corp20203Not DisclosedRainbow Robotics Inc2778103Not DisclosedPilus Corp Inc74604Not DisclosedStilndow Robotics Inc778103Not DisclosedStilndow Robotics Inc74604Not DisclosedDisclosed4Not Disclosed2Dawoo Engineering & Could682404Not DisclosedDawoo Engineering & Could682404Not Disclosed	Samsung C&T Corp.	28260	1	Disclosed
PRO Co LTD2622603Not DisclosedDL E&C Co Ltd3755003DisclosedDossan Fuel Cell Co Ltd3362603DisclosedSE Engineering & Construction Dorp63603Not DisclosedSe Olit Energy Co Ltd2705203Not DisclosedHydro Lithium Inc1016703Not DisclosedHydro Lithium Inc1016703DisclosedHydraud Eng & Const Co7203DisclosedHyundai Eng & Const Co7203DisclosedHyundai GF Holdings Co Ltd54403DisclosedHyundai Rotem Company643503DisclosedKolon Corp20203Not DisclosedKolon Corp20203DisclosedRainbow Robotics Inc255403DisclosedPhus Corp Inc256003Not DisclosedSWind Corporation1126104Not DisclosedSWind Corporation126104DisclosedSWind Corporation126104Not DisclosedDawoosys Co Ltd8804Not DisclosedHan Wha Co8804Not Disclosed	Huyndai Movex Co Ltd	319400	2	Not Disclosed
DLE&C Co Ltd3755003DisclosedDossan Fuel Cell Co Ltd3362603DisclosedDassan Fuel Cell Co Ltd3362603DisclosedDassen Fuel Cell Co Ltd2705203Not DisclosedDesclosed1016703Not DisclosedHydro Lithium Inc1016703DisclosedHydro Lithium Inc1016703DisclosedHydro Lithium Inc1016703DisclosedHydradi Eng & Const Co7203DisclosedHydradi Eng & Const Co7203DisclosedHydradi Rotem Company643503DisclosedHydradi Rotem Company643503DisclosedKUHOE&C Co Ltd29903DisclosedKorea Aerospace Industries Ltd478103DisclosedRainbow Robotics Inc2778103Not DisclosedPlus Corp256303Not DisclosedSwind Corporation1126104Not DisclosedDawoo Engineering & Construction470404Not DisclosedDawoon Seg Co Ltd8804Not DisclosedHan Wha Co8804Not DisclosedHan Wha Co124504Not DisclosedHan Wha Co124504Not DisclosedHan Wha Co124504Not Disclosed	Unison Co Ltd	18000	2	Not Disclosed
Doscan Fuel Cell Co Ltd3362603Disclosed3S Engineering & Construction Corp63603DisclosedGaelit Energy Co Ltd2705203Not DisclosedHydro Lithium Inc1016703Not DisclosedHyosung Corp48003DisclosedHyundai Eng & Const Co7203DisclosedHyundai GF Holdings Co Ltd54403Not DisclosedHyundai Rotem Company643503DisclosedHyundai Rotem Company643503DisclosedKUHOE&C Co Ltd29903DisclosedKorea Aerospace Industries Ltd478103DisclosedRainbow Robotics Inc278103Not DisclosedPilus Corp2696303Not DisclosedSWind Corporation1126104DisclosedSwoon Engineering & Construction470404Not DisclosedAnvoos Engineering & Construction8804Not DisclosedHawha Aerospace Co Ltd124504Not Disclosed	APRO Co LTD	262260	3	Not Disclosed
SS Engineering & Construction Corp63603DisclosedSeolit Energy Co Ltd2705203Not DisclosedHydro Lithium Inc1016703Not DisclosedHydro Lithium Inc1016703DisclosedHydro Lithium Inc1016703DisclosedHydro Lithium Inc7203DisclosedHydrodi Eng & Const Co7203Not DisclosedHyundai Eng & Const Co7203DisclosedHyundai GF Holdings Co Ltd54403DisclosedHyundai Rotem Company643503DisclosedKUMHOE&Co Ltd29903DisclosedKolon Corp20203Not DisclosedKolon Corp20203DisclosedRainbow Robotics Inc255403DisclosedPhysic Corp2596303Not DisclosedAprogen Inc74604Not DisclosedCorpstruction1126104DisclosedDawoo Engineering & Construction470404Not DisclosedDawon Seg Co Ltd682404Not DisclosedHarwha Aerospace Co Ltd12504Not Disclosed	DL E&C Co Ltd	375500	3	Disclosed
CorpBodoSDisclosedGeolit Energy Co Ltd2705203Not DisclosedHydro Lithium Inc1016703Not DisclosedHydro Lithium Inc1016703DisclosedHydro Lithium Inc24003DisclosedHydradi Eng & Const Co7203DisclosedHydradi GF Holdings Co Ltd54403DisclosedHydradi GF Holdings Co Ltd29903DisclosedKUMHOE&C Co Ltd29903DisclosedKorea Aerospace Industries Ltd478103DisclosedRainbow Robotics Inc255403Not DisclosedRainbow Robotics Inc2596303Not DisclosedSWind Corporation1126104Not DisclosedDaewoo Engineering & Construction470404Not DisclosedDawonsys Co Ltd8804Not DisclosedHarwha Aerospace Co Ltd124504Not Disclosed	Doosan Fuel Cell Co Ltd	336260	3	Disclosed
Hydro Lithium Inc1016703Not DisclosedHydro Lithium Inc1016703DisclosedHyosung Corp48003DisclosedHyundai Eng & Const Co7203DisclosedHyundai GF Holdings Co Ltd54403Not DisclosedHyundai Rotem Company643503Disclosed643503DisclosedKUMHOE&C Co Ltd29903DisclosedKolon Corp20203Not DisclosedKorea Aerospace Industries Ltd478103DisclosedKorea Electric Terminal Co255403Not DisclosedRainbow Robotics Inc2778103Not DisclosedPills Corp2596303Not DisclosedSWind Corporation1126104DisclosedSWind Corporation126104Not DisclosedDawonsys Co Ltd682404Not DisclosedHan Wha Co8804Not DisclosedHan Wha Co126504Not DisclosedHan Wha Aerospace Co Ltd126504Not Disclosed	GS Engineering & Construction Corp	6360	3	Disclosed
Ayoung Corp48003DisclosedHyoundai Eng & Const Co7203DisclosedHyundai GF Holdings Co Ltd54403Not DisclosedHyundai GF Holdings Co Ltd54403DisclosedHyundai Rotem Company643503DisclosedKUMHOE&C Co Ltd29903DisclosedKorea Aerospace Industries Ltd478103DisclosedKorea Aerospace Industries Ltd478103DisclosedRainbow Robotics Inc2778103Not DisclosedPlus Corp2696303Not DisclosedAprogen Inc74604Not DisclosedConstruction1126104DisclosedDawoonsys Co Ltd682404Not DisclosedHan Wha Co8804Not DisclosedHan Wha Co124504Not Disclosed	Geolit Energy Co Ltd	270520	3	Not Disclosed
Hyundai Eng & Const Co7203DisclosedHyundai GF Holdings Co Ltd54403Not DisclosedHyundai Rotem Company643503DisclosedKUMHOE&C Co Ltd29903DisclosedKolon Corp20203Not DisclosedKorea Aerospace Industries Ltd478103DisclosedKorea Electric Terminal Co255403DisclosedRainbow Robotics Inc2778103Not DisclosedPlus Corp2596303Not DisclosedAprogen Inc74604DisclosedCS Wind Corporation1126104DisclosedDawonsys Co Ltd682404Not DisclosedHan Wha Co8804Not DisclosedHan Wha Co124504Not Disclosed	Hydro Lithium Inc	101670	3	Not Disclosed
Hyundai GF Holdings Co Ltd54403Not DisclosedHyundai Rotem Company643503DisclosedKUMHOE&C Co Ltd29903DisclosedKorea Aerospace Industries Ltd478103DisclosedKorea Aerospace Industries Ltd478103DisclosedKorea Aerospace Industries Ltd255403DisclosedRainbow Robotics Inc2778103Not DisclosedPlus Corp2596303Not DisclosedAprogen Inc74604Not DisclosedConstruction1126104DisclosedDawonsys Co Ltd682404Not DisclosedAn Wha Co8804Not DisclosedHan Wha Co124504Not Disclosed	Hyosung Corp	4800	3	Disclosed
Hyundai Rotem Company643503DisclosedKUMHOE&C Co Ltd29903DisclosedKolon Corp20203Not DisclosedKorea Aerospace Industries Ltd478103DisclosedKorea Electric Terminal Co255403DisclosedRainbow Robotics Inc2778103Not DisclosedmPlus Corp2596303Not DisclosedAprogen Inc74604DisclosedConstruction1126104DisclosedDawonsys Co Ltd682404Not DisclosedHan Wha Co8804Not DisclosedHan Wha Aerospace Co Ltd124504Not Disclosed	Hyundai Eng & Const Co	720	3	Disclosed
KUMHOE&C Co Ltd29903DisclosedKolon Corp20203Not DisclosedKorea Aerospace Industries Ltd478103DisclosedKorea Electric Terminal Co255403DisclosedRainbow Robotics Inc2778103Not DisclosedmPlus Corp2596303Not DisclosedAprogen Inc74604DisclosedCS Wind Corporation1126104DisclosedDaewoo Engineering & Construction470404Not DisclosedDawonsys Co Ltd682404Not DisclosedHan Wha Co8804Not DisclosedHan Wha Co Ltd124504Not Disclosed	Hyundai GF Holdings Co Ltd	5440	3	Not Disclosed
Kolon Corp20203Not DisclosedKorea Aerospace Industries Ltd478103DisclosedKorea Electric Terminal Co255403DisclosedRainbow Robotics Inc2778103Not DisclosedmPlus Corp2596303Not DisclosedAprogen Inc74604Not DisclosedCS Wind Corporation1126104DisclosedDawoo Engineering & Construction470404Not DisclosedDawonsys Co Ltd682404Not DisclosedHan Wha Co124504Not Disclosed	Hyundai Rotem Company	64350	3	Disclosed
Korea Aerospace Industries Ltd478103DisclosedKorea Electric Terminal Co255403DisclosedRainbow Robotics Inc2778103Not DisclosedmPlus Corp2596303Not DisclosedAprogen Inc74604DisclosedCS Wind Corporation1126104DisclosedDawoos Engineering & Construction470404Not DisclosedDawonsys Co Ltd682404Not DisclosedHan Wha Co8804Not DisclosedHanwha Aerospace Co Ltd124504Not Disclosed	KUMHOE&C Co Ltd	2990	3	Disclosed
Korea Electric Terminal Co255403DisclosedRainbow Robotics Inc2778103Not DisclosedmPlus Corp2596303Not DisclosedAprogen Inc74604DisclosedCS Wind Corporation1126104DisclosedDaewoo Engineering & Construction470404Not DisclosedDawonsys Co Ltd682404Not DisclosedHan Wha Co8804Not DisclosedHanwha Aerospace Co Ltd124504Not Disclosed	Kolon Corp	2020	3	Not Disclosed
Rainbow Robotics Inc2778103Not DisclosedmPlus Corp2596303Not DisclosedAprogen Inc74604Not DisclosedCS Wind Corporation1126104DisclosedDaewoo Engineering & Construction470404Not DisclosedDawonsys Co Ltd682404Not DisclosedHan Wha Co8804Not DisclosedHanwha Aerospace Co Ltd124504Not Disclosed	Korea Aerospace Industries Ltd	47810	3	Disclosed
mPlus Corp2596303Not DisclosedAprogen Inc74604Not DisclosedCS Wind Corporation1126104DisclosedDaewoo Engineering & Construction470404Not DisclosedDawonsys Co Ltd682404Not DisclosedHan Wha Co8804Not DisclosedHanwha Aerospace Co Ltd124504Not Disclosed	Korea Electric Terminal Co	25540	3	Disclosed
Aprogen Inc74604Not DisclosedCS Wind Corporation1126104DisclosedDaewoo Engineering & Construction470404Not DisclosedDawonsys Co Ltd682404Not DisclosedHan Wha Co8804Not DisclosedHanwha Aerospace Co Ltd124504Not Disclosed	Rainbow Robotics Inc	277810	3	Not Disclosed
CS Wind Corporation1126104DisclosedDaewoo Engineering & Construction470404Not DisclosedDawonsys Co Ltd682404Not DisclosedHan Wha Co8804Not DisclosedHanwha Aerospace Co Ltd124504Not Disclosed	mPlus Corp	259630	3	Not Disclosed
Daewoo Engineering & Construction470404Not DisclosedDawonsys Co Ltd682404Not DisclosedHan Wha Co8804Not DisclosedHanwha Aerospace Co Ltd124504Not Disclosed	Aprogen Inc	7460	4	Not Disclosed
Construction4/0404Not DisclosedDawonsys Co Ltd682404Not DisclosedHan Wha Co8804Not DisclosedHanwha Aerospace Co Ltd124504Not Disclosed	CS Wind Corporation	112610	4	Disclosed
Han Wha Co8804Not DisclosedHan wha Aerospace Co Ltd124504Not Disclosed	Daewoo Engineering & Construction	47040	4	Not Disclosed
Hanwha Aerospace Co Ltd124504Not Disclosed	Dawonsys Co Ltd	68240	4	Not Disclosed
	Han Wha Co	880	4	Not Disclosed
Hanyang ENG Co. Ltd 45100 4 Not Disclosed	Hanwha Aerospace Co Ltd	12450	4	Not Disclosed
	Hanyang ENG Co. Ltd	45100	4	Not Disclosed

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### 2010 – Capital Goods

CONSTITUENT	SYMBOL	DECILE CLASSIFICATION	CARBON DISCLOSURE STATUS
LX Holdings Co Ltd	383800	4	Disclosed
Sambu Engineering & Construction Co Ltd	1470	4	Not Disclosed
Samsung E&A	28050	4	Disclosed
Tuksu Engineering & Construction Ltd	26150	4	Not Disclosed
Doosan Enerbility Co Ltd	34020	5	Disclosed
Enplus Co Ltd	74610	5	Not Disclosed
Jinsung T.E.C	36890	5	Not Disclosed
Novatech Co Ltd	285490	5	Not Disclosed
Sangsin Energy Display Precision Co Ltd	91580	5	Not Disclosed
Satrec Initiative Co Ltd	99320	5	Not Disclosed
Abpro Bio Co Ltd	195990	6	Not Disclosed
Doosan Bobcat Inc.	241560	6	Disclosed
Doosan Corp	150	6	Disclosed
Ecopro BM Co Ltd	247540	6	Disclosed
HD HYUNDAI CONSTRUCTION EQUIPMENT CO LTD	267270	6	Not Disclosed
HD Hyundai Infracore	42670	6	Disclosed
HDC Hyundai Development Company	294870	6	Not Disclosed
IS Dongseo Co Ltd	10780	6	Disclosed
ljin Power Co Ltd	94820	6	Not Disclosed
K-ENSOL CO LTD	53080	6	Not Disclosed
LS Eco Energy	229640	6	Not Disclosed
People & Technology Inc	137400	6	Not Disclosed
RfTech Co Ltd	61040	6	Disclosed
SK Oceanplant Co Ltd	100090	6	Disclosed
CJ Corp	1040	7	Not Disclosed
Cowintech Co Ltd	282880	7	Not Disclosed
Creative & Innovative System Corp	222080	7	Not Disclosed
HD HYUNDAI HEAVY INDUSTRIES Co Ltd	329180	7	Disclosed
HD Korea Shipbuilding & Marine Engineering Co Ltd	9540	7	Disclosed

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### 2010 – Capital Goods

CONSTITUENT	SYMBOL	DECILE CLASSIFICATION	CARBON DISCLOSURE STATUS
Hana Technology Co Ltd	299030	7	Not Disclosed
Hanwha Engine Ltd	82740	7	Disclosed
Hyundai Corp	11760	7	Not Disclosed
Hyundai Elevator Co	17800	7	Not Disclosed
Hyundai Mipo Dockyard	10620	7	Disclosed
Kyung Dong Navien Co. Ltd.	9450	7	Not Disclosed
LS Corp	6260	7	Not Disclosed
Lotte Corp	4990	7	Not Disclosed
OneJoon Co Ltd	382840	7	Not Disclosed
Samsung Heavy Industries	10140	7	Disclosed
Shin Heung Energy & Electronics Co Ltd	243840	7	Not Disclosed
ShinSung Delta Tech Co. Ltd	65350	7	Not Disclosed
Tai Han Elec Wire Co	1440	7	Not Disclosed
√itzrocell Co Ltd	82920	7	Not Disclosed
BGF Co	27410	8	Not Disclosed
CS Bearing Co Ltd	297090	8	Not Disclosed
DAEBO MAGNETIC COLTD	290670	8	Not Disclosed
Dongkuk Structures & Construction Co Ltd.	100130	8	Not Disclosed
Ecopro Co Ltd	86520	8	Disclosed
Hanwha Ocean	42660	8	Disclosed
Hyosung Heavy Industries Co Ltd	298040	8	Disclosed
Iljin Electric Co Ltd	103590	8	Not Disclosed
JNK Global Co Ltd	126880	8	Not Disclosed
Kangwon Energy Co Ltd	114190	8	Not Disclosed
LG Energy Solution	373220	8	Disclosed
LX Hausys Ltd	108670	8	Disclosed
SFA Engineering Corp	56190	8	Disclosed
SPG Co Ltd	58610	8	Not Disclosed
T-Robotics Co Ltd	117730	8	Not Disclosed
Wonik PNE Co Ltd	217820	8	Not Disclosed
Cheryong Electric Co Ltd	33100	9	Not Disclosed

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#### 2010 – Capital Goods

CONSTITUENT	SYMBOL	DECILE CLASSIFICATION	CARBON DISCLOSURE STATUS
Elentec Co Ltd	54210	9	Disclosed
HYUNDAI ELECTRIC & ENERGY SYSTEMCO LTD	267260	9	Disclosed
LS Electric	10120	9	Not Disclosed
POSCO International	47050	9	Disclosed
SY Co Ltd	109610	9	Not Disclosed
Sung Kwang Bend Co Ltd	14620	9	Not Disclosed
TK Corp	23160	9	Not Disclosed
Aluko Co Ltd	1780	10	Not Disclosed
GS Holdings Corp	78930	10	Not Disclosed
KCC Glass Co Ltd	344820	10	Disclosed
L&FCo	66970	10	Not Disclosed
LG Corp	3550	10	Disclosed
LX International Corp	1120	10	Not Disclosed
POSCO FUTURE M Co Ltd	3670	10	Disclosed
SK IE Technology CoLtd	361610	10	Disclosed
Bosung Power Technology Co. Ltd.	6910	Not Assigned	Not Disclosed
Doosan Robotics Co Ltd	454910	Not Assigned	Not Disclosed
Jeio Co Ltd	418550	Not Assigned	Not Disclosed
Neuromeka Co Ltd	348340	Not Assigned	Not Disclosed
Phil Energy Co Ltd	378340	Not Assigned	Not Disclosed
Top Material Co Ltd	360070	Not Assigned	Not Disclosed
W-Scope Chungju Plant Co Ltd	393890	Not Assigned	Not Disclosed
Yunsung F&C Co Ltd	372170	Not Assigned	Not Disclosed

#### 2020 – Commercial & Professional Services

High Impact

CONSTITUENT	SYMBOL	DECILE CLASSIFICATION	CARBON DISCLOSURE STATUS
KEPCO Plant Service & Engineering Co Ltd	51600	4	Disclosed
NICE Information Service Co. Ltd	30190	5	Not Disclosed
S-1 Corporation	12750	6	Not Disclosed
Ecopro HN Co Ltd	383310	9	Disclosed
Insun Environmental New Technology Co Ltd	60150	9	Not Disclosed
Y-ENTEC Co Ltd	67900	10	Not Disclosed
Korea Environment Technology Co. Ltd.	29960	Not Assigned	Not Disclosed
SungEel HiTech Co Ltd	365340	Not Assigned	Not Disclosed

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#### 2030 – Transportation

High Impact

CONSTITUENT	SYMBOL	DECILE CLASSIFICATION	CARBON DISCLOSURE STATUS
CJ Korea Express Corp	120	2	Not Disclosed
Sebang Co Ltd	4360	2	Not Disclosed
Han Jin Transport	2320	3	Not Disclosed
HMM Company Limited	11200	6	Disclosed
Hyundai Glovis Co Ltd	86280	7	Disclosed
Asiana Airlines	20560	8	Disclosed
Korean Air Lines Co	3490	8	Disclosed
Hanjin Kal Corp	180640	10	Disclosed
Jeju Air Company Ltd	89590	10	Not Disclosed
Korea Line Co	5880	10	Disclosed
Pan Ocean Co Ltd	28670	10	Disclosed
T way Air Co Ltd	91810	10	Not Disclosed
Air Busan Co Ltd	298690	Not Assigned	Not Disclosed
JIN AIR CO LTD	272450	Not Assigned	Not Disclosed

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#### 2510 – Automobiles & Components

CONSTITUENT	SYMBOL	DECILE CLASSIFICATION	CARBON DISCLOSURE STATUS
Kia Corp	270	2	Disclosed
Hyundai Motor Co	5380	3	Disclosed
Hyundai Mobis	12330	5	Disclosed
Motrex Co Ltd	118990	5	Not Disclosed
Eco & Dream Co Ltd	101360	6	Not Disclosed
Hanon Systems	18880	6	Disclosed
Hwa Shin Co	10690	6	Not Disclosed
Kumho HT Inc.	214330	6	Not Disclosed
MS Autotech Co Ltd	123040	6	Not Disclosed
Myoung Shin Industrial Co Ltd	9900	6	Not Disclosed
SNT Motiv Co Ltd	64960	6	Disclosed
Sam Lip Industrial Co	5850	6	Not Disclosed
Seoyon E-Hwa Co Ltd	200880	6	Not Disclosed
Sung Woo Hitech Co Ltd	15750	6	Not Disclosed
HL Mando	204320	7	Disclosed
Hyundai Wia Corp	11210	7	Disclosed
Hankook & Company	240	8	Disclosed
Sebang Global Battery Co	4490	9	Disclosed
Hankook Tire & Technology Co Ltd	161390	10	Disclosed
Kumho Tire Co	73240	10	Disclosed

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Low Impact

#### 2520 - Consumer Durables & Apparel

CONSTITUENT SYMBOL **DECILE CLASSIFICATION** CARBON DISCLOSURE STATUS Golfzon Co Ltd 215000 1 Not Disclosed F&F Co. Ltd 383220 2 Disclosed З Coway Co Ltd 21240 Not Disclosed 298540 3 Not Disclosed Nature Holdings Co Ltd Anam Electronics Co Ltd 8700 5 Not Disclosed Youngone Corp 111770 5 Disclosed Zinus Inc. 13890 5 Not Disclosed Fila Holdings 81660 6 Not Disclosed Handsome Corp 20000 6 Not Disclosed Hansae Co. Ltd 105630 6 Not Disclosed Hanssem Co Ltd 9240 6 Not Disclosed LG Electronics Inc 66570 6 Disclosed 7 Cuckoo Holdings Co Ltd Not Disclosed 192400 DI Dongil Corp 1530 10 Not Disclosed HS Industries Co Ltd 6060 10 Disclosed Hwaseung Enterprise Co Ltd 241590 10 Disclosed TK Chemical Corp 104480 10 Disclosed

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#### 2530 – Consumer Services

High Impact

CONSTITUENT	SYMBOL	DECILE CLASSIFICATION	CARBON DISCLOSURE STATUS
DoubleUGames Co. Ltd.	192080	1	Not Disclosed
Hana Tour Service Inc	39130	4	Not Disclosed
Modetour Network	80160	4	Not Disclosed
Grand Korea Leisure Co Ltd	114090	5	Disclosed
MegaStudyEdu Co.Ltd.	215200	5	Not Disclosed
Seoul Auction Co Ltd	63170	5	Not Disclosed
Ananti Inc	25980	6	Not Disclosed
Kangwon Land Inc	35250	6	Disclosed
Lotte Tour Development	32350	6	Not Disclosed
Paradise Co Ltd	34230	6	Not Disclosed

Low Impact

### 2550 – Consumer Discretionary Distribution & Retail

CONSTITUENT	SYMBOL	DECILE CLASSIFICATION	CARBON DISCLOSURE STATUS
ECHO Marketing Inc	230360	2	Not Disclosed
Shinsegae Co Ltd	4170	5	Disclosed
Silicon 2 Co Ltd	257720	6	Not Disclosed
Gradiant Corp	35080	7	Not Disclosed
K Car Co Ltd	381970	8	Not Disclosed
Hotel Shilla	8770	9	Not Disclosed
Lotte Shopping	23530	9	Disclosed
Cuckoo Homesys Co Ltd	284740	10	Not Disclosed
HL Holdings Corp	60980	10	Disclosed
Hyundai Dept Store	69960	10	Disclosed
Hyundai Home Shopping Network Corp	57050	10	Not Disclosed
Shinsegae International Co Ltd	31430	10	Not Disclosed
Gamsung Corporation Co Ltd	36620	Not Assigned	Not Disclosed
Hanwha Galleria Co Ltd	452260	Not Assigned	Not Disclosed

Low Impact

#### 3010 – Consumer Staples Distribution & Retail

CONSTITUENT SYMBOL DECILE CLASSIFICATION CARBON DISCLOSURE STATUS E-Mart Co. Ltd 139480 3 Disclosed GS Retail Co Ltd 7070 6 Not Disclosed BGF Retail Co Ltd 282330 8 Not Disclosed Dongsuh Companies Inc 26960 9 Not Disclosed 60280 Curexo Inc Not Assigned Not Disclosed Hyundai Green Food Co Ltd 453340 Not Assigned Not Disclosed

### 3020 – Food, Beverage & Tobacco

High Impact

CONSTITUENT	SYMBOL	DECILE CLASSIFICATION	CARBON DISCLOSURE STATUS
SPC Samlip Co. Ltd.	5610	1	Not Disclosed
Hite Jinro	80	3	Disclosed
Lotte Chilsung Beverage	5300	3	Disclosed
ORION Holdings Corp	1800	3	Not Disclosed
Nong Shim Co	4370	4	Disclosed
Samyang Foods Co. Ltd	3230	4	Disclosed
ORION Corp	271560	5	Not Disclosed
Ottogi Corp	7310	5	Disclosed
Samyang Holding Corp	70	6	Not Disclosed
CJ CheilJedang Corp	97950	7	Disclosed
Daesang Hldgs Co	84690	7	Disclosed
Samyang Corp	145990	7	Disclosed
KT&G Corp.	33780	8	Not Disclosed
Daesang Corp	1680	9	Disclosed
Harim Holdings Co Ltd	3380	10	Not Disclosed
Easy Holdings Co Ltd	35810	Not Assigned	Not Disclosed

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#### 3030 – Household & Personal Products

CONSTITUENT	SYMBOL	DECILE CLASSIFICATION	CARBON DISCLOSURE STATUS
Amorepacific Corp	90430	3	Disclosed
Amorepacific Group	2790	3	Disclosed
VT Co Ltd	18290	3	Not Disclosed
Aekyung Industrial Co Ltd	18250	4	Disclosed
C&C International Co Ltd	352480	4	Not Disclosed
COSMECCA KOREA CO. LTD	241710	4	Not Disclosed
Hyundai Bioscience Co Ltd	48410	4	Not Disclosed
Kolmar BNH Co Ltd	200130	4	Not Disclosed
Kolmar Holdings	24720	4	Not Disclosed
Kolmar Korea Co Ltd	161890	4	Not Disclosed
RAPHAS CO LTD	214260	4	Not Disclosed
LG H&H	51900	5	Disclosed
Cosmax Co Ltd	192820	6	Disclosed
Hyundai Bioland Co Ltd	52260	9	Disclosed

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#### 3510 – Health Care Equipment & Services

CONSTITUENT SYMBOL **DECILE CLASSIFICATION** CARBON DISCLOSURE STATUS **CLASSYS** Inc 214150 2 Disclosed 2 SYNTEKABIO INC 226330 Not Disclosed 2 VUNO Inc 338220 Not Disclosed Hanmi Science Co Ltd 8930 4 Not Disclosed Not Disclosed HLB Life Science Co Ltd 67630 5 Medipost Co 78160 5 Not Disclosed UBCare Co. Ltd 32620 5 Not Disclosed Boditech Med Inc 6 206640 Not Disclosed EOFlow Co Ltd 294090 6 Not Disclosed InBody Co Ltd 41830 6 Not Disclosed Jeisys Medical Inc 287410 6 Not Disclosed Won Tech Co Ltd 336570 6 Not Disclosed 7 Chabiotech Co Ltd 85660 Not Disclosed Humasis Co Ltd 205470 7 Not Disclosed 7 I-Sens Inc 99190 Not Disclosed 7 SD Biosensor Inc 137310 Not Disclosed T&R Biofab Co Ltd 246710 7 Not Disclosed HLB Inc 28300 8 Not Disclosed BioPlus Co Ltd 99430 9 Not Disclosed DIO Corp. 39840 9 Not Disclosed Dentium Co Ltd 145720 9 Not Disclosed Ray Co Ltd 228670 9 Not Disclosed 9 T&L Co Ltd 340570 Not Disclosed Value Added Technologies 43150 9 Not Disclosed 9 Vieworks Co Ltd 100120 Not Disclosed Viol Co Ltd 9 335890 Not Disclosed Cellumed Co Ltd 49180 10 Not Disclosed Not Assigned CoreLine Soft Co Ltd 384470 Not Disclosed 328130 Lunit Inc Not Assigned Not Disclosed

Mid Impact

### 3520 – Pharmaceuticals, Biotechnology & Life Sciences

CONSTITUENT	SYMBOL	DECILE CLASSIFICATION	CARBON DISCLOSURE STATUS
Chong Kun Dang Co Ltd	185750	3	Disclosed
Aptabio Therapeutics Inc	293780	4	Not Disclosed
Daewon Pharm.co.ltd.	3220	4	Not Disclosed
Enzychem Lifesciences Corp	183490	4	Not Disclosed
Futurechem Co Ltd	220100	4	Not Disclosed
Huons Global Co Ltd	84110	4	Not Disclosed
JW Shinyak Corp	67290	4	Not Disclosed
Reyon Pharmaceutical Co Ltd	102460	4	Not Disclosed
SK Biopharmaceuticals Co Ltd	326030	4	Disclosed
Whanin Pharmaceutical Co. Ltd	16580	4	Not Disclosed
AbClon Inc	174900	5	Not Disclosed
Bioneer Corp	64550	5	Not Disclosed
Donghwa Pharm Co Ltd	20	5	Not Disclosed
Hanall Biopharma	9420	5	Not Disclosed
Helixmith Co Ltd	84990	5	Not Disclosed
ll Dong Pharmaceutical Co	249420	5	Not Disclosed
ll Yang Pharmaceutical	7570	5	Not Disclosed
Jeil Pharmaceutical Co Ltd	271980	5	Not Disclosed
Peptron. Inc.	87010	5	Not Disclosed
Sam Chun Dang Pharm Co Ltd	250	5	Not Disclosed
Shin Poong Pharmaceutical Co. Ltd.	19170	5	Not Disclosed
Theragen Etex	66700	5	Not Disclosed
ALTEOGEN Inc	196170	6	Not Disclosed
Anterogen Co Ltd	65660	6	Not Disclosed
Binex Co Ltd	53030	6	Not Disclosed
Bukwang Pharmaceutical Ind	3000	6	Not Disclosed
CTC Bio Inc	60590	6	Not Disclosed
Celltrion Inc	68270	6	Disclosed
Eubiologics Co Ltd	206650	6	Not Disclosed
HUMEDIX Co Ltd	200670	6	Not Disclosed
Hugel Inc	145020	6	Not Disclosed
ISU abxis Co. Ltd	86890	6	Not Disclosed

### 3520 – Pharmaceuticals, Biotechnology & Life Sciences

CONSTITUENT	SYMBOL	DECILE CLASSIFICATION	CARBON DISCLOSURE STATUS
Jetema Co Ltd	216080	6	Not Disclosed
Komipharm International Co Ltd	41960	6	Not Disclosed
L&C Bio Co Ltd	290650	6	Not Disclosed
LabGenomics Co Ltd	84650	6	Not Disclosed
Medy-Tox Inc	86900	6	Not Disclosed
Oscotec Inc.	39200	6	Not Disclosed
Pharma Research Co Ltd	214450	6	Not Disclosed
Yuhan Corp	100	6	Not Disclosed
NtRON Biotechnology Inc	48530	6	Not Disclosed
ABL Bio Inc	298380	7	Not Disclosed
Amicogen Inc	92040	7	Not Disclosed
BNC Korea Co Ltd	256840	7	Not Disclosed
Boryung Co Ltd	3850	7	Disclosed
Caregen Co Ltd	214370	7	Not Disclosed
Curacle Co Ltd	365270	7	Not Disclosed
Daewoong Co Ltd	3090	7	Disclosed
Daewoong Pharmaceutical Co	69620	7	Disclosed
Dong-A ST Co Ltd	170900	7	Disclosed
Dongkook Pharmaceutical Co Ltd	86450	7	Disclosed
GC CELL Corp	144510	7	Disclosed
Genexine Co Ltd	95700	7	Not Disclosed
Genomictree Inc	228760	7	Not Disclosed
Green Cross Corp/South Korea	6280	7	Disclosed
HLB BioStep Co Ltd	278650	7	Not Disclosed
HLB Therapeutics Co Ltd	115450	7	Not Disclosed
Huons Co Ltd (New)	243070	7	Disclosed
Kukjeon Pharmaceutical Co Ltd	307750	7	Not Disclosed
Kwang Dong Pharmaceutical Co	9290	7	Not Disclosed
OliX Pharmaceuticals Inc	226950	7	Not Disclosed
SK Bioscience CoLtd	302440	7	Disclosed
ST PHARM Co Ltd	237690	7	Not Disclosed
Seegene Inc	96530	7	Not Disclosed

Mid Impact

### 3520 – Pharmaceuticals, Biotechnology & Life Sciences

SillaJen Inc2156007Not DisclosedHanni Pharm Co Ltd1289408DisclosedJW Pharmaceutical10608DisclosedLigaChem Biosciences Inc1410808DisclosedSamsung BioLogics Co Ltd2079408DisclosedGeneOneLifeScience Inc110009Not DisclosedNaturocoll Co. Ltd73909DisclosedDong-A Socio Holdings Co Ltd64010Not DisclosedKorea Green Cross Corp525010Not DisclosedAprilbio Co Ltd397030Not AssignedNot DisclosedCMG Pharmaceutical Co. Ltd5820Not AssignedNot DisclosedColl Thoman68760Not AssignedNot DisclosedDangung Pharmaceutical Co. Ltd39503Not AssignedNot DisclosedGi Innovation Inc368570Not AssignedNot DisclosedKrorea United Pharmanceutical Co. Ltd39200Not AssignedNot DisclosedHLB Pharmaceutical Co. Ltd39504Not AssignedNot DisclosedGi Innovation Inc368570Not AssignedNot DisclosedKrorea United Pharmanceutical Co. Ltd3250Not AssignedNot DisclosedHLB Pharmaceutical Co. Ltd3250Not AssignedNot DisclosedKorea United Pharmanceutical Co. Ltd3260Not AssignedNot DisclosedKorea United Pharmanceutical Co. Ltd3260Not AssignedNot DisclosedKorea United Pharmanceutical Co. Ltd36807Not Assigned	CONSTITUENT	SYMBOL	DECILE CLASSIFICATION	CARBON DISCLOSURE STATUS
JW Pharmaceutical10608DisclosedLigaChem Biosciences Inc1410808DisclosedSamsung BioLogics Co Ltd2079408DisclosedGeneOneLifeScience Inc110009Not DisclosedNaturecell Co. Ltd73909DisclosedDong-A Socio Holdings Co Ltd64010DisclosedKorea Green Cross Corp525010Not DisclosedMezzion Pharma Co Ltd397030Not AssignedNot DisclosedCMG Pharmaceutical Co. Ltd58820Not AssignedNot DisclosedColltrion Pharma Co Ltd5870Not AssignedNot DisclosedColltrion Pharmaceutical Co. Ltd210Not AssignedNot DisclosedCelltrion Pharmaceutical Co. Ltd235670Not AssignedNot DisclosedBinnovation Inc358570Not AssignedNot DisclosedKorea United Pharm. Inc.33270Not AssignedNot DisclosedMdpacto INC235980Not AssignedNot DisclosedPharmaceutical Co. Ltd5690Not AssignedNot DisclosedMedpacto INC32390Not AssignedNot DisclosedVarxell-Bio Therapeutics32390Not AssignedNot DisclosedVarxell-Bio Therapeutics31210Not AssignedNot DisclosedVarxell-Bio Therapeutics31210Not AssignedNot Disclosed	SillaJen Inc	215600	7	Not Disclosed
LigaChem Biosciences Inc1410808DisclosedSamsung BioLogios Co Ltd2079408DisclosedGeneOneLifeScience Inc110009Not DisclosedNaturecell Co. Ltd73909DisclosedDong-A Socio Holdings Co Ltd64010DisclosedKorea Green Cross Corp525010Not DisclosedMezzion Pharma Co Ltd14041010Not DisclosedAprilbio Co Ltd397030Not AssignedNot DisclosedColld Pharmaceutical Co. Ltd.58820Not AssignedNot DisclosedCelltrion Pharm Inc68760Not AssignedNot DisclosedOngsung Pharmaceutical Co. Ltd.2210Not AssignedNot DisclosedIf Innovation Inc358570Not AssignedNot DisclosedHLB Pharmaceutical Co Ltd47920Not AssignedNot DisclosedHLB Pharmaceutical Co Ltd235980Not AssignedNot DisclosedHLB Pharmaceutical Co Ltd5690Not AssignedNot DisclosedHurd Pharm. Inc.33270Not AssignedNot DisclosedMedpacto INC235980Not AssignedNot DisclosedPharmaceutical Co Ltd5690Not AssignedNot DisclosedSamsung Pharmaceutical Co1360Not AssignedNot DisclosedVaxcell-Bio Therapeutics323990Not AssignedNot DisclosedVarconol Inc310210Not AssignedNot Disclosed	Hanmi Pharm Co Ltd	128940	8	Disclosed
Not Samsung BioLogics Co Ltd2079408DisclosedGeneOneLifeScience Inc110009Not DisclosedNaturecell Co. Ltd73909DisclosedDong-A Socio Holdings Co Ltd64010DisclosedKorea Green Cross Corp525010Not DisclosedMatzricol Pharma Co Ltd14041010Not DisclosedAprilbio Co Ltd397030Not AssignedNot DisclosedCMG Pharmaceutical Co. Ltd.58820Not AssignedNot DisclosedCelltrion Pharm Inc68760Not AssignedNot DisclosedGi Innovation Inc358570Not AssignedNot DisclosedHLB Pharmaceutical Co. Ltd5290Not AssignedNot DisclosedKrea United Pharm. Inc.32270Not AssignedNot DisclosedMedpacto INC235980Not AssignedNot DisclosedPharmaceutical Co. Ltd5690Not AssignedNot DisclosedKorea United Pharm. Inc.32270Not AssignedNot DisclosedMedpacto INC235980Not AssignedNot DisclosedPharmaceutical Co1360Not AssignedNot DisclosedVaxcell-Bio Therapeutics32390Not AssignedNot DisclosedVarcell-Bio Therapeutics310210Not AssignedNot Disclosed	JW Pharmaceutical	1060	8	Disclosed
GeneOneLifeScience Inc110009Not DisclosedNaturecell Co. Ltd73909DisclosedDong-A Socio Holdings Co Ltd64010DisclosedKorea Green Cross Corp525010Not DisclosedMezzion Pharma Co Ltd14041010Not DisclosedAprilbio Co Ltd397030Not AssignedNot DisclosedCMG Pharmaceutical Co. Ltd.58820Not AssignedNot DisclosedCelltrion Pharm Inc68760Not AssignedNot DisclosedOngsung Pharmaceutical Co. Ltd.2210Not AssignedNot DisclosedGi Innovation Inc358570Not AssignedNot DisclosedHLE Pharmaceutical Co Ltd47920Not AssignedNot DisclosedKorea United Pharm. Inc.33270Not AssignedNot DisclosedMedpacto INC235980Not AssignedNot DisclosedPharmicell Co Ltd5690Not AssignedNot DisclosedVaxcell-Bio Therapeutical Co1360Not AssignedNot DisclosedVaxcell-Bio Therapeutical Co1360Not AssignedNot DisclosedVaxcell-Bio Therapeutical Co1360Not AssignedNot DisclosedVaxcell-Bio Therapeutical Co32390Not AssignedNot DisclosedVaronol Inc310210Not AssignedNot Disclosed	LigaChem Biosciences Inc	141080	8	Disclosed
Naturecell Co. Ltd73909DisclosedDong-A Socio Holdings Co Ltd64010DisclosedKorea Green Cross Corp525010Not DisclosedMaturecell Co. Ltd14041010Not DisclosedMezzion Pharma Co Ltd14041010Not DisclosedAprilbio Co Ltd397030Not AssignedNot DisclosedCMG Pharmaceutical Co. Ltd.58820Not AssignedNot DisclosedCelltrion Pharm Inc68760Not AssignedNot DisclosedColl Innovation Inc358570Not AssignedNot DisclosedHL B Pharmaceutical Co. Ltd3590Not AssignedNot DisclosedKronea United Pharm. Inc.33270Not AssignedNot DisclosedMedpacto INC235980Not AssignedNot DisclosedPharmaceutical Co. Ltd5690Not AssignedNot DisclosedVaxcell-Bio Therapeutics32390Not AssignedNot DisclosedVaxcell-Bio Therapeutics310210Not AssignedNot Disclosed	Samsung BioLogics Co Ltd	207940	8	Disclosed
Dong-A Socio Holdings Co Ltd64010DisclosedKorea Green Cross Corp525010Not DisclosedMezzion Pharma Co Ltd14041010Not DisclosedAprilbio Co Ltd397030Not AssignedNot DisclosedCMG Pharmaceutical Co. Ltd.58820Not AssignedNot DisclosedCelltrion Pharm Inc68760Not AssignedNot DisclosedDongsung Pharmaceutical Co. Ltd.2210Not AssignedNot DisclosedGl Innovation Inc358570Not AssignedNot DisclosedHLB Pharmaceutical Co Ltd47920Not AssignedNot DisclosedKorea United Pharm. Inc.33270Not AssignedNot DisclosedMedpacto INC235980Not AssignedNot DisclosedPharmaceutical Co. Ltd5690Not AssignedNot DisclosedVaxcell-Bio Therapeutics323990Not AssignedNot DisclosedVarconi Inc310210Not AssignedNot Disclosed	GeneOneLifeScience Inc	11000	9	Not Disclosed
Korea Green Cross Corp525010Not DisclosedMezzion Pharma Co Ltd14041010Not DisclosedAprilbio Co Ltd397030Not AssignedNot DisclosedCMG Pharmaceutical Co. Ltd.58820Not AssignedNot DisclosedCelltrion Pharm Inc68760Not AssignedNot DisclosedCongsung Pharmaceutical Co. Ltd.2210Not AssignedNot DisclosedGI Innovation Inc358570Not AssignedNot DisclosedHK inno.N Corp195940Not AssignedNot DisclosedKorea United Pharm. Inc.33270Not AssignedNot DisclosedMedpacto INC235980Not AssignedNot DisclosedPharmaceutical Co.1360Not AssignedNot DisclosedMedpacto INC323900Not AssignedNot DisclosedVaxcell-Bio Therapeutics323900Not AssignedNot DisclosedVaxcell-Bio Therapeutics310210Not AssignedNot Disclosed	Naturecell Co. Ltd	7390	9	Disclosed
Mezzion Pharma Co Ltd14041010Not DisclosedAprilbio Co Ltd397030Not AssignedNot DisclosedCMG Pharmaceutical Co. Ltd.58820Not AssignedNot DisclosedCelltrion Pharm Inc68760Not AssignedNot DisclosedDongsung Pharmaceutical Co. Ltd.2210Not AssignedNot DisclosedGI Innovation Inc35870Not AssignedNot DisclosedHK inno.N Corp195940Not AssignedNot DisclosedHLB Pharmaceutical Co. Ltd47920Not AssignedNot DisclosedKorea United Pharm. Inc.33270Not AssignedNot DisclosedPharmicell Co. Ltd5690Not AssignedNot DisclosedPharmaceutical Co.1360Not AssignedNot DisclosedVaxcell-Bio Therapeutics323900Not AssignedNot DisclosedVaxcell-Bio Therapeutics310210Not AssignedNot Disclosed	Dong-A Socio Holdings Co Ltd	640	10	Disclosed
Aprilbio Co Ltd397030Not AssignedNot DisclosedCMG Pharmaceutical Co. Ltd.58820Not AssignedNot DisclosedCelltrion Pharm Inc68760Not AssignedNot DisclosedDongsung Pharmaceutical Co. Ltd.2210Not AssignedNot DisclosedGl Innovation Inc358570Not AssignedNot DisclosedHK inno.N Corp195940Not AssignedNot DisclosedHLB Pharmaceutical Co Ltd47920Not AssignedNot DisclosedKorea United Pharm. Inc.33270Not AssignedNot DisclosedMedpacto INC235980Not AssignedNot DisclosedPharmicell Co Ltd5690Not AssignedNot DisclosedSamsung Pharmaceutical Co1360Not AssignedNot DisclosedVaxcell-Bio Therapeutics323900Not AssignedNot DisclosedVaxcentine10210Not AssignedNot Disclosed	Korea Green Cross Corp	5250	10	Not Disclosed
CMG Pharmaceutical Co. Ltd.58820Not AssignedNot DisclosedCelltrion Pharm Inc68760Not AssignedNot DisclosedDongsung Pharmaceutical Co. Ltd.2210Not AssignedNot DisclosedGI Innovation Inc358570Not AssignedNot DisclosedHK inno.N Corp195940Not AssignedNot DisclosedHLB Pharmaceutical Co. Ltd.47920Not AssignedNot DisclosedKorea United Pharm. Inc.33270Not AssignedNot DisclosedMedpacto INC235980Not AssignedNot DisclosedPharmicell Co. Ltd5690Not AssignedNot DisclosedSamsung Pharmaceutical Co1360Not AssignedNot DisclosedVaxcell-Bio Therapeutics323900Not AssignedNot DisclosedVarcoli Inc310210Not AssignedNot Disclosed	Mezzion Pharma Co Ltd	140410	10	Not Disclosed
Celltrion Pharm Inc68760Not AssignedNot DisclosedDongsung Pharmaceutical Co. Ltd.2210Not AssignedNot DisclosedGl Innovation Inc358570Not AssignedNot DisclosedHK inno.N Corp195940Not AssignedNot DisclosedHLB Pharmaceutical Co. Ltd47920Not AssignedNot DisclosedKorea United Pharm. Inc.33270Not AssignedNot DisclosedMedpacto INC235980Not AssignedNot DisclosedPharmicell Co. Ltd5690Not AssignedNot DisclosedSamsung Pharmaceutical Co1360Not AssignedNot DisclosedVaxcell-Bio Therapeutics323900Not AssignedNot DisclosedVarcell-Bio Therapeutics310210Not AssignedNot Disclosed	Aprilbio Co Ltd	397030	Not Assigned	Not Disclosed
Dongsung Pharmaceutical Co. Ltd.2210Not AssignedNot DisclosedGl Innovation Inc358570Not AssignedNot DisclosedHK inno. N Corp195940Not AssignedNot DisclosedHLB Pharmaceutical Co Ltd47920Not AssignedNot DisclosedKorea United Pharm. Inc.33270Not AssignedNot DisclosedMedpacto INC235980Not AssignedNot DisclosedPharmicell Co Ltd5690Not AssignedNot DisclosedSamsung Pharmaceutical Co1360Not AssignedNot DisclosedVaxcell-Bio Therapeutics323990Not AssignedNot DisclosedVoronoi Inc310210Not AssignedNot Disclosed	CMG Pharmaceutical Co. Ltd.	58820	Not Assigned	Not Disclosed
Gl Innovation Inc358570Not AssignedNot DisclosedHK inno.N Corp195940Not AssignedNot DisclosedHLB Pharmaceutical Co Ltd47920Not AssignedNot DisclosedKorea United Pharm. Inc.33270Not AssignedNot DisclosedMedpacto INC235980Not AssignedNot DisclosedPharmicell Co Ltd5690Not AssignedNot DisclosedSamsung Pharmaceutical Co1360Not AssignedNot DisclosedVaxcell-Bio Therapeutics323900Not AssignedNot DisclosedVoronoi Inc310210Not AssignedNot Disclosed	Celltrion Pharm Inc	68760	Not Assigned	Not Disclosed
HK inno.N Corp195940Not AssignedNot DisclosedHLB Pharmaceutical Co Ltd47920Not AssignedNot DisclosedKorea United Pharm. Inc.33270Not AssignedNot DisclosedMedpacto INC235980Not AssignedNot DisclosedPharmicell Co Ltd5690Not AssignedNot DisclosedSamsung Pharmaceutical Co1360Not AssignedNot DisclosedVaxcell-Bio Therapeutics323990Not AssignedNot DisclosedVoronoi Inc310210Not AssignedNot Disclosed	Dongsung Pharmaceutical Co. Ltd.	2210	Not Assigned	Not Disclosed
HLB Pharmaceutical Co Ltd47920Not AssignedNot DisclosedKorea United Pharm. Inc.33270Not AssignedNot DisclosedMedpacto INC235980Not AssignedNot DisclosedPharmicell Co Ltd5690Not AssignedNot DisclosedSamsung Pharmaceutical Co1360Not AssignedNot DisclosedVaxcell-Bio Therapeutics323990Not AssignedNot DisclosedVoronoi Inc310210Not AssignedNot Disclosed	GI Innovation Inc	358570	Not Assigned	Not Disclosed
Korea United Pharm. Inc.33270Not AssignedNot DisclosedMedpacto INC235980Not AssignedNot DisclosedPharmicell Co Ltd5690Not AssignedNot DisclosedSamsung Pharmaceutical Co1360Not AssignedNot DisclosedVaxcell-Bio Therapeutics323990Not AssignedNot DisclosedVoronoi Inc310210Not AssignedNot Disclosed	HK inno.N Corp	195940	Not Assigned	Not Disclosed
Medpacto INC235980Not AssignedNot DisclosedPharmicell Co Ltd5690Not AssignedNot DisclosedSamsung Pharmaceutical Co1360Not AssignedNot DisclosedVaxcell-Bio Therapeutics323990Not AssignedNot DisclosedVoronoi Inc310210Not AssignedNot Disclosed	HLB Pharmaceutical Co Ltd	47920	Not Assigned	Not Disclosed
Pharmicell Co Ltd5690Not AssignedNot DisclosedSamsung Pharmaceutical Co1360Not AssignedNot DisclosedVaxcell-Bio Therapeutics323990Not AssignedNot DisclosedVoronoi Inc310210Not AssignedNot Disclosed	Korea United Pharm. Inc.	33270	Not Assigned	Not Disclosed
Samsung Pharmaceutical Co1360Not AssignedNot DisclosedVaxcell-Bio Therapeutics323990Not AssignedNot DisclosedVoronoi Inc310210Not AssignedNot Disclosed	Medpacto INC	235980	Not Assigned	Not Disclosed
Vaxcell-Bio Therapeutics323990Not AssignedNot DisclosedVoronoi Inc310210Not AssignedNot Disclosed	Pharmicell Co Ltd	5690	Not Assigned	Not Disclosed
Voronoi Inc 310210 Not Assigned Not Disclosed	Samsung Pharmaceutical Co	1360	Not Assigned	Not Disclosed
	Vaxcell-Bio Therapeutics	323990	Not Assigned	Not Disclosed
Yung Jin Pharm Co 3520 Not Assigned Not Disclosed	Voronoi Inc	310210	Not Assigned	Not Disclosed
	Yung Jin Pharm Co	3520	Not Assigned	Not Disclosed

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#### 4010 – Banks

CONSTITUENT	SYMBOL	DECILE CLASSIFICATION	CARBON DISCLOSURE STATUS
Hana Financial Group Inc	86790	4	Disclosed
KakaoBank Corp	323410	4	Disclosed
Shinhan Financial Group Ltd	55550	4	Disclosed
BNK Financial Group Inc	138930	6	Disclosed
DGB Financial Group Inc	139130	6	Disclosed
Industrial Bank of Korea	24110	6	Disclosed
JB Financial Group Co Ltd	175330	7	Disclosed
Woori Financial Group	316140	7	Disclosed
KB Financial Group Inc.	105560	8	Disclosed
Sangsangin Co Ltd	38540	8	Not Disclosed

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#### 4020 – Financial Services

CONSTITUENT	SYMBOL	DECILE CLASSIFICATION	CARBON DISCLOSURE STATUS
Daishin Securities	3540	1	Disclosed
Eugene Investment & Securities	1200	1	Disclosed
KIWOOM Securities Co Ltd	39490	1	Disclosed
Meritz Finance Holdings Co	138040	4	Not Disclosed
Korea Investment Holdings Co Ltd	71050	5	Not Disclosed
Woori Technology Investment Co	41190	5	Not Disclosed
Daol Investment & Securities Co Ltd	30210	6	Not Disclosed
Daou Technology Inc	23590	6	Not Disclosed
Hanwha Investment & Securities	3530	6	Not Disclosed
Mirae Asset Securities Co Ltd	6800	6	Not Disclosed
NH Investment & Securities Co/ New	5940	6	Not Disclosed
SK Securities Co	1510	6	Not Disclosed
STIC Investments Inc	26890	6	Not Disclosed
Samsung Secs Co	16360	6	Not Disclosed
Yuanta Securities Korea	3470	6	Not Disclosed
Daou Data Corp	32190	7	Not Disclosed
Kakao Pay Co Ltd	377300	7	Not Disclosed
NHN KCP Co	60250	7	Not Disclosed
Coocon Corporation	294570	8	Not Disclosed
Danal Co	64260	8	Not Disclosed
KGMobilians Co. Ltd.	46440	8	Not Disclosed
KGINICIS Co. Ltd.	35600	9	Not Disclosed
Samsung Card	29780	10	Disclosed

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#### 4030 - Insurance

CONSTITUENT	SYMBOL	DECILE CLASSIFICATION	CARBON DISCLOSURE STATUS
Samsung Fire & Marine	810	2	Disclosed
Hanwha General Insurance Co Ltd	370	3	Disclosed
DB INSURANCE	5830	6	Disclosed
Korea Reinsurance Co	3690	6	Not Disclosed
Hyundai Fire & Marine Ins	1450	7	Not Disclosed
Samsung Life Insurance Co Ltd	32830	8	Not Disclosed
Hanwha Life Insurance Co Ltd	88350	9	Not Disclosed

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#### 4510 – Software & Services

CONSTITUENT	SYMBOL	DECILE CLASSIFICATION	CARBON DISCLOSURE STATUS
Hyundai Ezwel Co Ltd	90850	3	Not Disclosed
SALTLUX Inc	304100	3	Not Disclosed
Selvas Ai Inc.	108860	3	Not Disclosed
Emro Co Ltd	58970	4	Not Disclosed
Hecto Innovation Co Ltd	214180	4	Not Disclosed
Maxst Co Ltd	377030	4	Not Disclosed
Polaris Office Corp	41020	4	Not Disclosed
Duzonbizon Co	12510	5	Not Disclosed
Flitto Inc	300080	6	Not Disclosed
Samsung SDS Co Ltd	18260	6	Disclosed
Ahnlab Inc	53800	8	Not Disclosed
POSCO DX Co Ltd	22100	8	Not Disclosed
Cafe24 Corp	42000	10	Not Disclosed
Hancom Inc	30520	10	Not Disclosed
Hyundai Autoever Corp	307950	10	Disclosed
Lotte Innovate	286940	10	Disclosed

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### 4520 – Technology Hardware & Equipment

CONSTITUENT	SYMBOL	DECILE CLASSIFICATION	CARBON DISCLOSURE STATUS
Chips&Media Inc	94360	2	Not Disclosed
HFR Inc	230240	2	Disclosed
Hyvision System Inc.	126700	2	Not Disclosed
Innowireless Inc	73490	3	Not Disclosed
Daea TI Co Ltd	45390	4	Not Disclosed
Park Systems Corp	140860	4	Not Disclosed
Em-Tech Co Ltd	91120	5	Not Disclosed
LG Innotek Co	11070	5	Disclosed
Suprema Inc	236200	5	Not Disclosed
Dasan Networks Inc	39560	6	Not Disclosed
Dreamtech Co Ltd	192650	6	Disclosed
Woojin Inc	105840	6	Not Disclosed
Ace Technologies Corp	88800	7	Not Disclosed
Amotech Co Ltd	52710	7	Disclosed
Coasia Corp	45970	7	Not Disclosed
Homecast Co. Ltd	64240	7	Not Disclosed
Humax Co Ltd	115160	7	Not Disclosed
Intellian Technologies Inc	189300	7	Not Disclosed
KH Vatec Co Ltd	60720	7	Disclosed
KMW Inc	32500	7	Not Disclosed
KONA I Co Ltd	52400	7	Not Disclosed
Mcnex Co Ltd	97520	7	Not Disclosed
PARTRON Co. Ltd.	91700	7	Disclosed
Robostar Co Ltd	90360	7	Not Disclosed
Robotis Co Ltd	108490	7	Not Disclosed
SOLUM CO LTD	248070	7	Not Disclosed
Samsung Electronics Co	5930	7	Disclosed
Seojin System Co Ltd	178320	7	Not Disclosed
Solid Inc	50890	7	Not Disclosed
Spigen Korea Co Ltd	192440	7	Not Disclosed
Taihan Fiberoptics	10170	7	Not Disclosed
Tovis Co. Ltd.	51360	7	Not Disclosed

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Mid Impact

### 4520 – Technology Hardware & Equipment

CONSTITUENT	SYMBOL	DECILE CLASSIFICATION	CARBON DISCLOSURE STATUS
WiSoL Co Ltd	122990	7	Not Disclosed
Woori Technology Inc.	32820	7	Not Disclosed
BH Co. Ltd.	90460	8	Not Disclosed
Daeduck Co Ltd	8060	8	Disclosed
Interflex Co Ltd	51370	8	Not Disclosed
ntops Co Ltd	49070	8	Not Disclosed
su Petasys Co Ltd	7660	8	Disclosed
Sam Hwa Capacitor Co. Ltd	1820	8	Not Disclosed
Sang-A Frontec Co. Ltd.	89980	8	Disclosed
TLB Co Ltd	356860	8	Disclosed
Vina Tech Co Ltd	126340	8	Not Disclosed
Daeduck Electronics Co Ltd	353200	9	Disclosed
Daejoo Electronic Materials Co. Ltd.	78600	9	Disclosed
JNTC Co Ltd	204270	9	Not Disclosed
Jahwa Electronics Co Ltd	33240	9	Disclosed
Korea Circuit Co	7810	9	Disclosed
Samsung Electro-Mech Co	9150	9	Disclosed
Samsung SDI Co	6400	9	Disclosed
Solus Advanced Materials	336370	9	Disclosed
Chemtronics Co. Ltd.	89010	10	Not Disclosed
ljin Materials Co Ltd	20150	10	Disclosed
_G Display Co Ltd	34220	10	Disclosed
Se Gyung Hitech Co Ltd	148150	10	Disclosed
Synopex Inc.	25320	10	Disclosed
JTI Inc	179900	10	Not Disclosed
Cosmo AM&T Co Ltd	5070	Not Assigned	Not Disclosed
Fine M-Tec Co Ltd	441270	Not Assigned	Not Disclosed
ithium for earth Inc.	73570	Not Assigned	Not Disclosed
3system Inc.	214430	Not Assigned	Not Disclosed

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Mid Impact

### 4530 – Semiconductors & Semiconductor Equipment

CONSTITUENT	SYMBOL	DECILE CLASSIFICATION	CARBON DISCLOSURE STATUS
ABOV Semiconductor Co Ltd	102120	1	Not Disclosed
DOOSAN TESNA Inc	131970	1	Not Disclosed
Nepes Ark Corp	330860	1	Not Disclosed
EO Technics Co Ltd	39030	2	Disclosed
ISC Co Ltd	95340	2	Not Disclosed
Intekplus Co Ltd	64290	2	Not Disclosed
Koh Young Technology Inc	98460	2	Disclosed
Techwing Inc	89030	2	Not Disclosed
UniTest Inc.	86390	2	Not Disclosed
YC Corporation	232140	2	Not Disclosed
DMS Co Ltd	68790	3	Not Disclosed
Global Standard Technology Co Ltd	83450	3	Not Disclosed
Hanmi Semiconductor	42700	3	Not Disclosed
CD Co Ltd	40910	3	Disclosed
Jusung Engineering Co	36930	3	Not Disclosed
NEXTIN Inc	348210	3	Not Disclosed
PSK Inc	319660	3	Not Disclosed
Protec Co Ltd	53610	3	Not Disclosed
Systems Technology Inc	39440	3	Not Disclosed
Union Semiconductor Equipment Co. Ltd.	36200	3	Not Disclosed
VM Co	89970	3	Not Disclosed
WONIK IPS Co Ltd	240810	3	Not Disclosed
Zeus Co	79370	3	Not Disclosed
Advanced Process System Corp	265520	4	Disclosed
Avaco Co Ltd	83930	4	Not Disclosed
LX Semicon Co Ltd	108320	4	Not Disclosed
Lot Vacuum Co. Ltd.	83310	4	Disclosed
SHINSUNG E & G Co LTD	11930	4	Not Disclosed
D.I. Corp	3160	5	Not Disclosed
Eugene Technology Co Ltd	84370	5	Disclosed
HB Technology Co Ltd	78150	5	Disclosed

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### 4530 – Semiconductors & Semiconductor Equipment

CONSTITUENT	SYMBOL	DECILE CLASSIFICATION	CARBON DISCLOSURE STATUS	
Hansol Technics	4710	5	Not Disclosed	
KoMi Co Ltd	183300	5	Disclosed	
LB Semicon Inc	61970	5	Disclosed	
MK Electron Co. Ltd.	33160	5	Not Disclosed	
Philoptics Co Ltd	161580	5	Not Disclosed	
RFHIC Corp	218410	5	Not Disclosed	
S&S Tech Corp.	101490	5	Not Disclosed	
Seoul Semiconductor Co Ltd	46890	5	Not Disclosed	
rSE Co Ltd	131290	5	Not Disclosed	
AdTechnology Co Ltd	200710	6	Not Disclosed	
HB SOLUTION CO LTD	297890	6	Not Disclosed	
HD HYUNDAI ENERGY SOLUTIONS Co Ltd	322000	6	Not Disclosed	
TM Semiconductor Co Ltd	84850	6	Not Disclosed	
Jeju Semiconductor Corp	80220	6	Not Disclosed	
<c co<="" td="" tech=""><td>281820</td><td>6</td><td colspan="2">Not Disclosed</td></c>	281820	6	Not Disclosed	
Meerecompany	49950	6	Not Disclosed	
Power Logics Co. Ltd	47310	6	Not Disclosed	
SFA Semicon Co Ltd	36540	6	Not Disclosed	
FES Co Ltd/Korea	95610	6	Not Disclosed	
Felechips Inc	54450	6	Not Disclosed	
Foptec Co Ltd	108230	6	Not Disclosed	
Wonik Qnc Corp	74600	6	Disclosed	
Worldex Industry & Trading Co Ltd	101160	6	Not Disclosed	
YEST Ltd	122640	6	Not Disclosed	
Alnc	38880	6	Not Disclosed	
Duk San Neolux Co Ltd	213420	7	Disclosed	
Fine Semitech Corp	36810	7	Disclosed	
HAESUNG DS Co Ltd	195870	7	Disclosed	
Hana Materials Inc	166090	7	Disclosed	
Hana Micron	67310	7	Not Disclosed	
NNOX ADVANCED MATERIALS	272290	7	Not Disclosed	
Nepes Corp	33640	7	Disclosed	

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### 4530 – Semiconductors & Semiconductor Equipment

CONSTITUENT	SYMBOL	DECILE CLASSIFICATION	CARBON DISCLOSURE STATUS	
SIMMTECH Co Ltd	222800	7	Disclosed	
Tokai Carbon Korea Co Ltd	64760	7	Disclosed	
Dongbu HiTek Co Ltd	990	8	Disclosed	
SK Hynix Inc	660	8	Disclosed	
KEC Corp	92220	9	Disclosed	
Dnf Co Ltd	92070	10	Not Disclosed	
Duksan Techopia Co Ltd	317330	10	Not Disclosed	
Wonik Holding Co Ltd	30530	10	Not Disclosed	
AsicLand Co Ltd	445090	Not Assigned	Not Disclosed	
Dongwoon Anatech Co Ltd	94170	Not Assigned	Not Disclosed	
FADU Inc	440110	Not Assigned	Not Disclosed	
Gaonchips Co Ltd	399720	Not Assigned	Not Disclosed	
GigaVis Co Ltd	420770	Not Assigned	Not Disclosed	
HLB Innovation Co Ltd	24850	Not Assigned	Not Disclosed	
HPSP Co Ltd	403870	Not Assigned	Not Disclosed	
Leeno Industrial Inc	58470	Not Assigned	Not Disclosed	
Openedges Technologies Inc	394280	Not Assigned	Not Disclosed	
TEMC Co Ltd	425040	Not Assigned	Not Disclosed	

#### 5010 – Telecommunication Services

CONSTITUENT SYMBOL		DECILE CLASSIFICATION	CARBON DISCLOSURE STATUS	
Kinx INC	93320	1	Not Disclosed	
Inscobee Co Ltd	6490	2	Not Disclosed	
LG Uplus Ltd	32640	9	Disclosed	

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#### 5020 – Media & Entertainment

CONSTITUENT	SYMBOL	DECILE CLASSIFICATION	CARBON DISCLOSURE STATUS	
Wemade Co Ltd	112040	2	Not Disclosed	
Com2uS Corp	78340	3	Not Disclosed	
Com2uS Holdings	63080	3	Not Disclosed	
Devsisters Co Ltd	194480	3	Not Disclosed	
JoyCity Corp	67000	3	Not Disclosed	
Krafton Inc	259960	3	Not Disclosed	
Mgame Corp.	58630	3	Not Disclosed	
Nat Games Co Ltd	225570	3	Not Disclosed	
Neowiz	95660	3	Not Disclosed	
Neptune Co	217270	3	Not Disclosed	
Netmarble Corp	251270	3	Not Disclosed	
Wemade Max Co Ltd	101730	3	Not Disclosed	
Connectwave Co Ltd	119860	4	Not Disclosed	
Dexter Studios Co Ltd	206560	4	Not Disclosed	
JYP Entertainment Corp.	35900	4	Not Disclosed	
Next Entertainment World Co Ltd	160550	4	Not Disclosed	
500P	67160	4	Disclosed	
Studio Dragon Corp	253450	4	Not Disclosed	
Wysiwyg Studios Co Ltd	299900	4	Not Disclosed	
GIANTSTEP Inc	289220	5	Not Disclosed	
Kakao Games Corp	293490	5	Not Disclosed	
NHN Co Ltd	181710	5	Disclosed	
PearlAbyss Corp	263750	5	Disclosed	
Webzen Inc	69080	5	Not Disclosed	
CJ CGV Co	79160	6	Not Disclosed	
Kakao Corp	35720	6	Disclosed	
NCsoft Corp	36570	6	Disclosed	
Sm Culture & Contents Co Ltd	48550	6	Not Disclosed	
/G Entertainment Inc	122870	6	Not Disclosed	
/G PLUS INC.	37270	6	Not Disclosed	
CJ ENM Co Ltd	35760	7	Not Disclosed	
Cheil Worldwide Inc	30000	7	Not Disclosed	

#### 5020 – Media & Entertainment

CONSTITUENT	SYMBOL	DECILE CLASSIFICATION	CARBON DISCLOSURE STATUS		
INNOCEAN Worldwide Inc.	214320	7	Not Disclosed		
Keyeast Co Ltd	54780	7	Not Disclosed		
KidariStudio Inc	20120	7	Not Disclosed		
HYBE Co Ltd	352820	8	Not Disclosed		
NAVER Corp	35420	8	Disclosed		
SM Entertainment Co	41510	9	Not Disclosed		
Dear U Co Ltd	376300	Not Assigned	Not Disclosed		

#### 5510 – Utilities

High Impact

CONSTITUENT	SYMBOL	DECILE CLASSIFICATION	CARBON DISCLOSURE STATUS	
Korea Electronic Power Industrial Development Co Ltd	130660	1	Not Disclosed	
Korea Gas Corp	36460	3	Disclosed	
Samchully Co	4690	6	Not Disclosed	
Korea Elec Power Corp	15760	9	Disclosed	
SK Eternix Co Ltd	475150	Not Assigned	Not Disclosed	

Mid Impact

### 6020 – Real Estate Management & Development

CONSTITUENT	SYMBOL	DECILE CLASSIFICATION	CARBON DISCLOSURE STATUS
SK D&D Co. Ltd.	210980	3	Not Disclosed
Korea Real Estate Investment Tr Co	34830	4	Not Disclosed

#### Glossary

**Decile Classification.** As of rebalancing reference date, decile thresholds are determined for each GICS® industry group based on the carbon footprints of companies in the S&P Global LargeMidCap. Using these thresholds, every company is then classified, independently of its index membership, into its 'S&P Carbon Global Standard' decile.

**Not Assigned:** These companies which are categorized as Not Assigned for the Decile Classification were out of Trucost research coverage at the last rebalancing reference date. Those companies are included to the index without the carbon weight adjustment.

**Disclosure Status.** Companies are further divided into those that have been identified by Trucost as having sufficiently disclosed their carbon emissions and those that have not. Disclosure status is achieved when Trucost identifies companies as having full or partial disclosure in its largest carbon emissions category (between scope 1 and 2).

**Industry Group Classification.** As of rebalancing reference date, each industry group is identified as high, mid or low impact. This classification is based on the range of carbon footprints across the companies within that industry group in the S&P Global LargeMidCap. The range for each industry group is calculated as the spread between its first and last decile threshold.

Industry groups are classified as follows:

1. High impact = range > 500 (CO2e / revenue)

2. Low impact = range <= 150 (CO2e / revenue)

3. Mid impact = all remaining industry groups

### S&P CARBON GLOBAL STANDARD

	Industry Group Factor	High	High	Medium	High	High	Medium	Low	High	Low
	GICS Industry Group	Energy	Materials	Capital Goods	Commercial and Professional Services	Transportation	Automobiles and Components	Consumer Durables and Apparel	Consumer Services	Consume Discretic Distribut and Reta
	1	< 184.78	< 157.21	< 38.83	< 9.21	< 58.39	< 37.41	< 37.77	< 15.77	< 17.19
	2	184.78–268.54	157.21–250.01	38.83–50.85	9.21–11.98	58.39–95.80	37.41-42.77	37.77–43.10	15.77 - 92 - 70	17.10
	3	268.54-320.64	250.01-335.13	50.85-68.25	11.98–14.42	95.80-128.84	42.77-48.14	43.10-49.07	00.7	Click to view the
	4	320.64-376.78	335.13-469.74	68.25-80.89	14.42–19.81	128.84-195.22	48.14-69.61	49.07-52.62	$\rightarrow$	entire table
Decile	5	376.78-415.46	469.74-625.86	80.89-91.23	19.81–30.76	195.22-269.52	69.61–115.34	52.62-66.21	47.75	UNLL UL
De	6	415.46-470.46	625.86-935.19	91.23-110.15	30.76-35.23	269.52-404.43	115.34–137.57	66.21-85.98	<b>73.7</b> 5-92.46	36.87-4
	7	470.46-564.85	935.19–1199.02	110.15–131.60	35.23-51.65	404.43-608.44	137.57–150.46	85.98-110.69	<b>92.4</b> 6–151.46	46.01-50
	8	564.85-660.87	1199.02–1775.04	131.60–184.25	51.65-92.36	608.44-909.03	150.46-163.69	110.69–130.77	<b>151.4</b> 6–204.90	50.23-5
	9	660.87–1230.69	1775.04-3720.82	184.25-364.44	92.36-603.17	909.03–1146.94	163.69–250.52	130.77–162.89	204.90-569.86	58.38–72
	10	> 1230.69	> 3720.82	> 364.44	> 603.17	> 1146.94	> 250.52	> 162.89	> 569.86	> 72.83

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