

Geneva, August 10, 2023

MSCI GLOBAL MICRO CAP INDEXES

The following are changes in constituents for the MSCI Global Micro Cap Indexes which will take place as of the close of August 31, 2023.

SUMMARY PER COUNTRY:

Country	Nb of Securities Added	Nb of Securities Deleted
AUSTRALIA	12	10
BELGIUM	4	1
SWITZERLAND	2	2
DENMARK	3	0
SPAIN	3	0
FRANCE	6	5
GERMANY	2	2
NETHERLANDS	0	2
ITALY	8	2
JAPAN	26	7
HONG KONG	9	13
NORWAY	3	2
AUSTRIA	1	0
USA	30	55
CANADA	7	5
SWEDEN	17	10
UNITED KINGDOM	16	9
FINLAND	3	2
NEW ZEALAND	2	0
PORTUGAL	1	0
IRELAND	1	0
ISRAEL	4	7
SINGAPORE	10	0

MSCI AUSTRALIA INDEX

Additions	Deletions
29METALS	ACRUX
COSOL	ALLEGIANCE COAL
ENCOUNTER RESOURCES	CETTIRE
GASCOYNE RESOURCES	EDEN INNOVATIONS
GWA GROUP	LATIN RESOURCES
HILLGROVE RESOURCES	MGC PHARMACEUTICALS
LAKE RESOURCES	NOXOPHARM
NOVONIX	REWARD MINERALS
PANCONTINENTAL ENERGY	TITOMIC
REGAL PARTNERS	TUAS GROUP
TERRACOM	
WAI RESOURCES	

MSCI BELGIUM INDEX

Additions	Deletions
CARE PROPERTY INVEST	SOFTIMAT
ECONOCOM GROUP	
ION BEAM APPLICATIONS	
VAN DE VELDE	

MSCI SWITZERLAND INDEX

Additions	Deletions
HAUTE CAPITAL PARTNERS	OBSEVA (CH)
PEACH PROPERTY GROUP	SCHWEIZERISCH NATL BANK

MSCI DENMARK INDEX

Additions	Deletions
GUBRA A/S	None
SP GROUP	

TOTALBANKEN

MSCI SPAIN INDEX

Additions
MIQUEL Y COSTAS
NICOLAS CORREA
VITRUVIO REAL ESTATE

Deletions
None

MSCI FRANCE INDEX

Additions
AB SCIENCE
AKWEL
CASINO
CHARGEURS
DEEZER
MCPHY ENERGY

Deletions
AUPLATA MINING GROUP
KEYRUS
OL GROUPE
OREGE
SQLI

MSCI GERMANY INDEX

Additions
INSTONE REAL ESTATE
VA-Q-TEC

Deletions
MGI MEDIA & GAMES INVEST
PSI AG GESELLSCHAFT

MSCI NETHERLANDS INDEX

Additions
None

Deletions
PB HOLDING
PHARVARIS

MSCI ITALY INDEX

Additions
COFLE
DIGITAL BROS
DIRECTA SIM
ESPRINET
ITALIAN DESIGN BRANDS
ITALIAN SEA GROUP
REEVO
REWAY GROUP

Deletions
ENERGY
SOFTLAB

MSCI JAPAN INDEX

Additions
AIMECHATEC
ALPHA PURCHASE
ARENT
CELLSOURCE
CELM
COCORPORT
DIRECT MARKETING MIX
EARTH INFINITY CO
FAITHNETWORK
FLECT
GMO GLOBALSIGN HLDGS KK
HALMEK HOLDINGS
IZU SHABOTEN RESORT CO
KIZUNA HOLDINGS
KURASHICOM
MARUCHIYO YAMAOKAYA
MIDAC HOLDINGS CO
MONSTARLAB HOLDINGS
OPENDOOR
PACIFIC METALS CO
PROGRIT
RHEOS CAPITAL WORKS
TOC CO
TRANSACTION MEDIA NETWKS
WANTEDLY
WITH US CORP

Deletions
ASAHI YUKIZAI CORP
EAGLE INDUSTRY CO
KROSAKI HARIMA CORP
ONWARD HOLDINGS CO
RAYSUM CO
TV TOKYO HOLDINGS CORP
ZIGEXN

MSCI HONG KONG INDEX

Additions
AGBA GRP HLDG
FAR EAST HOTELS & ENTMT
GIGACLOUD TECH
PACIFIC TEXTILES HLDGS
POWERWIN TECH GROUP
PROSPERITY REIT
VESYNC
VISION INTL HLDGS
WINTO GROUP HOLDINGS

Deletions
ANCHORSTONE HLDGS
ASIA ENERGY LOGIS (HK)
CHINA HEALTHWISE HLDGS
ERNEST BOREL HOLDINGS
GIORDANO INTERNATIONAL
HING MING HOLDINGS
PALADIN
PIONEER GLOBAL GROUP
QIANHAI HEALTH HOLDINGS
SHI SHI SERVICES
SINOPHARM TECH HLDG (HK)
SMART GLOBE HOLDINGS
TELECOM SERVICE ONE HLDG

MSCI NORWAY INDEX

Additions
NORSK TITANIUM
PRYME
SCANA

Deletions
ASTROCAST
CODELAB CAPITAL

MSCI AUSTRIA INDEX

Additions
AUSTRIACARD HOLDINGS

Deletions
None

MSCI USA INDEX

Additions
AUGMEDIX INC
BIGBEAR.AI HOLDINGS
BURKE & HERBERT BNK & TR
CIBUS
D-WAVE QUANTUM
DRAGONFLY ENER HLDGS A
EAGLE PHARMACEUTICALS
FIBROGEN
HEARTBEAM
HOMESTREET
KALEYRA(US)
KARYOPHARM THERAPEUTICS
KNIGHTSCOPE A
MAMAMANCINI'S HOLDINGS
MONOGRAM ORTHOPAEDICS
MOVELLA HOLDINGS INC
NANOSTRING TECHNOLOGIES
NEAR INTELLIGENCE
NGM BIOPHARMACEUTICALS
ORCHESTRA BIOMED HLDGS
PIONEER POWER SOLUTIONS
ROOT A
SHORE BANCSHARES
SOUTHERN CALIFORNIA
STABILIS SOLUTIONS
STAR HOLDINGS
TAYLOR DEVICES
US GOLDMINING
VIRTRA
XTANT MEDICAL HOLDINGS

Deletions
9 METERS BIOPHARMA
ADAMIS PHARMACEUTICALS
ADVANTAGE TECH GROUP
ADVANTAGE SOLUTION A
AGILE THERAPEUTICS
ALPINE IMMUNE SCIENCES
APPLIED DIGITAL
APTEVO THERAPEUTICS
ARCHER AVIATION A
ASCENT SOLAR TECH
AULT ALLIANCE
AVALO THERAPEUTICS
AYTU BIOPHARMA
BEL FUSE B
BELLEROPHON THERAPEUTICS
BETTER CHOICE
CABALETTA BIO
CANTALOUPE
CASI PHARMACEUTICALS
CLEANSPARK
COFFEE HOLDING CO
CYCLERION THERAPEUTICS
DIGIMARC CORP
DISC MEDICINE
DIVERSIFIED HEALTHCARE
FUBOTV
GLOBAL BUSINESS TRAVEL A
GREENE COUNTY BANCORP
GSE SYSTEMS
HALLMARK FINANCIAL SVCS
HAWAIIAN HOLDINGS
HOLLEY
HOVNIANIAN ENTERPRISES A
IRADIMED CORP
MALLINCKRODT
MARINE PRODUCTS CORP
METALS CO (THE)
OCEAN BIOMEDICAL
ORGANOGENESIS A
P10 A
POWELL INDUSTRIES
POWER REIT
PULMATRIX
SIEBERT FINANCIAL CORP
SINGULARITY FUTURE TECH

SONIDA SENIOR LIVING
TACTILE SYSTEMS TECH
TERAWULF
TRACON PHARMACEUTICALS
VERA THERAPEUTICS A
VERB TECHNOLOGY
VIVOS THERAPEUTICS
WEAVE COMMUNICATIONS
WEWORK A
WHEELER REIT

MSCI CANADA INDEX

Additions

CANOPY GROWTH
ELORO RESOURCES
ENSIGN ENERGY SERVICES
LARGO
TERRASCEND
URANIUM ROYALTY (CA)
VERSES AI

Deletions

ALEAFIA HEALTH
EXCELLON RESOURCES
LOGISTEC CORP B
MAV BEAUTY BRANDS
OREA MINING

MSCI SWEDEN INDEX

Additions

ABSOLENT AIR CARE GROUP
ALLIGO B
AMBEA AB
BICO GROUP B
DUSTIN GROUP
ELANDERS
FASTIGHETSBOLAGET EMILSH
FRACTAL GAMING GROUP
GARO
INMISSION B
KARNOV GROUP
KFAST HOLDING B
MGI MEDIA & GAMES(SE)
NOBIA
NORVA24 GROUP
ORRON ENERGY
STENDORREN FASTIGHETER

Deletions

CLAVISTER HOLDING
IMMUNOVIA
MOBERG PHARMA
MOMENTUM GROUP B
OSCAR PROPERTIES HOLDING
PRECISE BIOMETRICS AB
Q-LINEA
STUDENTBOSTADER I NORDEN
SWEDISH LOGISTIC PPTY B
VIKING SUPPLY SHIPS B

MSCI UNITED KINGDOM INDEX

Additions

ACTIVEOPS
ALLIANCE PHARMA
ARGO BLOCKCHAIN
AVON PROTECTION
CAPRICORN ENERGY
CELADON PHARMACEUTICAL
CHESNARA
DX GROUP
HELIUM ONE GLOBAL
HOLLYWOOD BOWL GROUP
M P EVANS GROUP
NICHOLS
PREDATOR OIL & GAS HLDGS
REACH
REGIONAL REIT
RESTORE

Deletions

ALFA FINL SOFTW HLDGS
CHINA NONFERROUS GOLD
HORIZONTE MINERALS
LOOKERS
OPTIBIOTIX HEALTH
PROCOOK GROUP
SIMEC ATLANTIS ENERGY
TUNGSTEN WEST
WILDCAT PETROLEUM

MSCI FINLAND INDEX

Additions

NURMINEN LOGISTICS
ORIOLA CORPORATION B
TALENOM

Deletions

ENENTO GROUP
WETTERI

MSCI NEW ZEALAND INDEX

Additions

NEW ZEALAND RURAL LAND
TOURISM HOLDINGS

Deletions

None

MSCI PORTUGAL INDEX
Additions
SPORT LISBOA E BENFICA

Deletions
None

MSCI IRELAND INDEX
Additions
FBD HOLDINGS

Deletions
None

MSCI ISRAEL INDEX
Additions
IDI INSURANCE CO
MASLAVI CONSTRUCTI
TURPAZ INDUSTRIES
ZEPHYRUS WING ENERGIES

Deletions
AURA INVESTMENTS RES
HAGAG EUROPE DEV
ISRAEL SHIPYARDS IND
KVUTZAT ACRO
REDHILL BIOPHARMA ADR
SHEMEN YIELDING REAL EST
SIMILARWEB

MSCI SINGAPORE INDEX
Additions
BUMITAMA AGRI
CHINA AVIATION OIL SG
FRENCKEN GROUP
HRNETGROUP
KEPPEL PACIFIC OAK REIT
MANULIFE US REIT
OUE
PROPNEKX
SAMUDERA SHIPPING LINE
SILVERLAKE AXIS

Deletions
None

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