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Morningstar® Global Markets Tech and Comm Services Moat Focus Index™ 20-Dec-24

The index follows a staggered rebalancing approach in which the index is divided into two sub-portfolios, each containing 25 stocks. One sub-portfolio reconstitutes in December and June; the other sub-portfolio reconstitutes in March and September. The information here pertains only to the subportfolio being reconstituted.

For More Information:

http://indexes.morningstar.com US: +1 312 384-3735 Europe: +44 20 3194 1082

Reconstituted Holdings						
Name	Ticker	Country	Sector	Moat Rating	Price/Fair Value	Weight (%)
Sensata Technologies Holding PLC	ST	United States	Technology	Narrow	0.53	4.00
Tencent Holdings Ltd Common Stock	700	China	Communication Services	Wide	0.58	4.00
NICE	NICE	Israel	Technology	Narrow	0.63	4.00
Liberty Global Ltd Class C	LBTYK	United States	Communication Services	Narrow	0.64	4.00
NXP Semiconductors NV Common Stock	NXPI	United States	Technology	Wide	0.73	4.00
Comcast Corporation A	CMCSA	United States	Communication Services	Narrow	0.73	4.00
Charter Communications Inc Common Stock A	CHTR	United States	Communication Services	Narrow	0.76	4.00
Universal Music Group NV	UMG	Netherlands	Communication Services	Wide	0.76	4.00
Millicom International Cellular SA SEDR	TIGO/SDB	Sweden	Communication Services	Narrow	0.76	4.00
ON Semiconductor Corporation	ON	United States	Technology	Narrow	0.77	4.00
Taiwan Semiconductor Manufacturing Common Stock	2330	Taiwan	Technology	Wide	0.77	4.00
Interpublic Group of Companies	IPG	United States	Communication Services	Narrow	0.78	4.00
ASML Holding NV Common Stock Bearer Form	ASML	Netherlands	Technology	Wide	0.79	4.00
Verizon Communications Inc.	VZ	United States	Communication Services	Narrow	0.80	4.00
Advanced Micro Devices	AMD	United States	Technology	Narrow	0.80	4.00
Lyft Inc Shs Class A	LYFT	United States	Technology	Narrow	0.81	4.00
BT Group PLC	BT/A	United Kingdom	Communication Services	Narrow	0.81	4.00
Uber Technologies Inc	UBER	United States	Technology	Narrow	0.81	4.00
Nordic Semiconductor	NOD	Norway	Technology	Narrow	0.82	4.00
Omnicom Group Inc.	OMC	United States	Communication Services	Narrow	0.83	4.00
Alphabet Inc Class A	GOOGL	United States	Communication Services	Wide	0.84	4.00
Monolithic Power Systems Inc.	MPWR	United States	Technology	Wide	0.85	4.00
Cognizant Technology Solutions Corporation A	CTSH	United States	Technology	Narrow	0.85	4.00
SS&C Technologies Holdings Inc	SSNC	United States	Technology	Narrow	0.87	4.00
Fortive Corp Shs	FTV	United States	Technology	Narrow	0.89	4.00

Added Holdings								
				Previous Recon Failed Screen				
Name	Ticker	Country	Sector	Weight(%)	Moat Rating	Price/Fair Value	12-month momentum	Others
Alphabet Inc Class A	GOOGL	United States	Communication Services	4.37		•		
Taiwan Semiconductor Manufacturing Common Stock	2330	Taiwan	Technology	4.27		•		
NXP Semiconductors NV Common Stock	NXPI	United States	Technology	3.83		•		
Charter Communications Inc Common Stock A	CHTR	United States	Communication Services	2.00			•	
Universal Music Group NV	UMG	Netherlands	Communication Services	2.00		•		
ON Semiconductor Corporation	ON	United States	Technology	2.00			•	
Interpublic Group of Companies	IPG	United States	Communication Services	2.00			•	
ASML Holding NV Common Stock Bearer Form	ASML	Netherlands	Technology	2.00		•		
Advanced Micro Devices	AMD	United States	Technology	2.00		•		
Uber Technologies Inc	UBER	United States	Technology	2.00		•		
Nordic Semiconductor	NOD	Norway	Technology	2.00		•		
Omnicom Group Inc.	OMC	United States	Communication Services	2.00		•		
Monolithic Power Systems Inc.	MPWR	United States	Technology	2.00		•		



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Removed Holdings				Failed Screen	Rassar for	removal)	
				Moat	Price/Fair	12-month	
Name	Ticker	Country	Sector	Rating	Value	momentum	Others
Largan Precision Co Ltd	3008	Taiwan	Technology		•		
Cogent Communications Holdings Inc Common Stock	CCOI	United States	Communication Services		•		
Block Inc Common Stock	SO	United States	Technology		•		
DoorDash Inc Ordinary Shares - Class A	DASH	United States	Communication Services		•		
Adobe Inc Shs	ADBE	United States	Technology			•	
Rogers Communications Inc Common Stock B	RCI.B	Canada	Communication Services			•	
Telus Corporation Shs	T	Canada	Communication Services			•	
Infineon Technologies	IFX	Germany	Technology			•	
STMicroelectronics NV.	STMPA	France	Technology			•	
Samsung Electro-Mechanics	009150	South Korea	Technology			•	
NetEase Inc Ordinary Shares	09999	China	Communication Services			•	
Sino-American Silicon Products	5483	Taiwan	Technology			•	
GlobalWafers Co Ltd Shs	6488	Taiwan	Technology			•	
Next Potential Holdings							
Name	Ticker	Country	Sector		Moat Rating	Price/	Fair Value
Littelfuse Inc.	LFUS	United States	Technology		Narrow		0.85
Teradyne Inc.	TER	United States	Technology		Wide		0.87
Qualcomm Inc.	QCOM		Technology		Narrow		0.87
Warner Music Group Corp Ordinary Shares - Class A Applied Materials	WMG AMAT	United States United States	Communication Service Technology		Narrow Wide		0.87 0.87
ASMPT Ltd	522		<u> </u>				0.87
Adyen NV Ordinary Shares	522 ADYEI	Hong Kong Netherlands	Technology Technology		Narrow Wide		0.87
Telstra Group Ltd	TLS	Australia	Communication Service		Narrow		0.90
Sony Group Corp Common Stock	6758	Japan	Technology		Wide		0.90
Cyber Agent Shs	4751	Japan	Communication Service	S	Narrow		0.90
Name	Ticker	Country	Sector			١	Weight(%)
Lyft Inc Shs Class A	LYFT	United State	es Technolog	ЭУ			4.62
Alphabet Inc Class A	GOOG		es Communi	cation Services	S		4.37
Taiwan Semiconductor Manufacturing Common Stock	2330	Taiwan	Technolog				4.27
Tencent Holdings Ltd Common Stock BT Group PLC	700 BT/A	China United King		cation Services cation Services			4.16 4.05
		United King			5		
SS&C Technologies Holdings Inc Cognizant Technology Solutions Corporation A	SSNC CTSH	United State United State		,			4.05 4.03
Verizon Communications Inc.	VZ	United State		ay cation Services	S		3.87
NXP Semiconductors NV Common Stock	NXPI	United State			,		3.83
Sensata Technologies Holding PLC	ST	United State		,			3.73
Liberty Global Ltd Class C	LBTYK	United State	es Communi	cation Services	3		3.34
Block Inc Common Stock	SQ	United State		ЭУ			2.87
Zscaler Inc shs	ZS	United State	•	,			2.41
Mediatek Inc. Common Stock	2454	Taiwan	Technolog				2.33
Sony Group Corp Common Stock	6758	Japan	Technolog				2.28
Infineon Technologies	IFX	Germany	Technolog	,			2.13
Pinterest Inc Ordinary Shares Cls A	PINS	United State		cation Services	S		2.11
Nordic Semiconductor Monolithic Power Systems Inc.	NOD MPW	Norway R United State	Technolog es Technolog	,			2.00
Omnicom Group Inc.	OMC	United State	•	JY cation Services			2.00 2.00



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Index Holdings				
Name	Ticker	Country	Sector	Weight(%)
Advanced Micro Devices	AMD	United States	Technology	2.00
Uber Technologies Inc	UBER	United States	Technology	2.00
Comcast Corporation A	CMCSA	United States	Communication Services	2.00
Interpublic Group of Companies	IPG	United States	Communication Services	2.00
ON Semiconductor Corporation	ON	United States	Technology	2.00
Universal Music Group NV	UMG	Netherlands	Communication Services	2.00
Charter Communications Inc Common Stock A	CHTR	United States	Communication Services	2.00
Fortive Corp Shs	FTV	United States	Technology	2.00
Millicom International Cellular SA SEDR	TIGO/SDB	Sweden	Communication Services	2.00
NICE	NICE	Israel	Technology	2.00
ASML Holding NV Common Stock Bearer Form	ASML	Netherlands	Technology	2.00
Telus Corporation Shs	T	Canada	Communication Services	1.85
GlobalWafers Co Ltd Shs	6488	Taiwan	Technology	1.76
Win Semiconductors Corp. Ordinary Shares	3105	Taiwan	Technology	1.73
Murata Mfg Co. Ltd 100	6981	Japan	Technology	1.72
Samsung Electro-Mechanics	A009150	South Korea	Technology	1.67
Rogers Communications Inc Common Stock B	RCI/B	Canada	Communication Services	1.66
Sino-American Silicon Products	5483	Taiwan	Technology	1.63
Samsung Electronics Ltd. Common Stock	A005930	South Korea	Technology	1.51

