

The Long and Short of it – Weekly Update

Week in review:

U.S. stock markets began the week on uneasy terms with Evergrande contagion concerns and FOMC announcement anxiety pushing all three major indexes about 2% lower. U.S stock markets, stagnating on Tuesday, moved higher the rest of the week, fortified by a somewhat-as-exprected FOMC announcement and optimism Evergrande would avoid immediate default. Wednesday's FOMC announcement indicated the Fed would likely begin tapering November (with bond buybacks to be eliminated by June next year) with at least one rate hike in 2022 followed by another 2-3 hikes in 2023. The Fed's willingness to slightly and gradually tighten its ultra-easy monetary policy signalled it believed the U.S. economy was strong and at the same time eased investor concerns of possible fallout from Fed inaction. Interestingly, the 10-year U.S Treasury rate, down 6bps through Wednesday, jumped 13bps higher Thursday and another 2bp Friday perhaps as a delayed reaction to the FOMC announcement and perhaps as a result of lessened Evergrande contagion fears. For the week, the S&P 500 Index rose 0.5% to 4,455.48, the Nasdaq Composite Index was almost unchanged at 15,047.70, the Dow Jones Industrial Average increased 0.6% to 34,797.60, the 10-year U.S. Treasury rate increased 9bps to 1.45% and the U.S. dollar (as measured by the ICE U.S. Dollar index - DXY) strengthened 0.1% percent.

European stock markets also started the week sharply lower, reacting to Evergrande contagion fears and to the advent of the FOMC meeting and BoE announcements Wednesday and Thursday, respectively. Markets mainly recovered following Monday's drop as concerns over Evergrande lessened and Wednesday's FOMC announcement indicating gradual, moderate tightening of the Fed's ultra-easy monetary policy while at the same time confirming the strength of the U.S. economy. The FTSE 100 Index, up 1.6% through Thursday, moved 0.4% lower Friday following reemerging Evergrande concerns and after the BoE stated Thursday the case for higher interest rates had strengthened. The STOXX 600 Index, up 1.2% through Thursday, moved almost a 1% lower Friday also on renewed Evergrande concerns and the possibility of less-easy monetary policy but also in advance of German elections over the weekend. At week's end, the STOXX 600 increased 0.3% to 463.29, the FTSE 100 Index rose 1.3% to 7,051.48 and the British pound weakened 0.5% and the Euro was practically unchanged, both versus the U.S. dollar.

Week ahead:

EZ - M3 Money Supply; US - Durable Goods Orders (Mon), DE - GfK Consumer Climate; US - Intl Trade in Goods, Consumer Confidence (Tue), EZ - EC Economic Sentiment (Wed), DE, FR, IT - CPI; EZ, DE - Unemployment Rate; US - GDP, Jobless Claims (Thu), US, EZ, DE, FR, UK - PMI Manufacturing; DE - Retail Sales; EZ - HICP; US - Personal Income and Outlays (Fri)

Top performing ETPs over the week

	3x Long ETPs		3x Short ETPs		
UK	+3x Rolls-Royce (3LRR)	+66.8 %	-3x Vodafone (3SVO)	+1.1%	
US	+3x UBER (3LUB)	+56.1%	-3x NIO(3SNI)	+15.8%	
EU	+3x Safran(3LSA)	+14.6%	-3x Schneider Electric (3SSE)	+4.8%	

Past performance is not a reliable indicator of future results. The value of an investment may go down as well as up and can result in losses, up to and including a total loss of the amount initially invested. All ETP performance figures are inclusive of fees and other adjustments. Returns measured in currency of underlying stock.



Weekly performance and moving averages - Underlying UK stocks

Underlying stock	Closing price 24 Sep 2021	Weekly change	MA 200d	MA 50d	High - 52w	Low - 52w	Price vs 52w High
AstraZeneca	8,845.00	9.7%	7,850.75	8,399.50	8,982.00	6,736.00	-1.53%
BAE Systems	561.80	0.3%	520.11	562.78	589.80	395.90	-4.75%
Barclays	183.74	0.6%	170.32	178.80	190.30	90.74	-3.45%
ВР	320.20	5.1%	298.21	298.55	336.95	188.54	-4.97%
Diageo	3,484.00	0.8%	3,243.27	3,529.48	3,641.00	2,474.00	-4.31%
Glencore	330.50	1.0%	290.32	320.77	342.90	145.12	-3.62%
Lloyds Banking Group	45.43	0.9%	42.63	44.85	50.44	23.89	-9.93%
Rio Tinto	4,830.50	0.0%	5,708.10	5,519.35	6,632.85	4,112.19	-27.17%
Rolls-Royce	132.50	19.4%	107.00	108.23	137.20	34.63	-3.43%
Royal Dutch Shell A	1,529.20	5.0%	1,425.36	1,437.68	1,587.60	878.30	-3.68%
Vodafone	113.80	-0.5%	126.92	118.38	142.74	100.54	-20.27%

3x Long ETP performance

Underlying stock	Ticker	20-Sep	21-Sep	22-Sep	23-Sep	24-Sep	1 Week	Last 20 days
AstraZeneca	3LAZ	18.42%	5.29%	-3.23%	1.77%	6.12%	30.31%	12.03%
BAE Systems	3LBA	-1.21%	-0.23%	2.99%	-1.50%	0.74%	0.73%	2.36%
Barclays	3LBC	-12.83%	0.16%	10.62%	4.48%	-0.35%	0.56%	-4.19%
ВР	3LBP	-1.08%	5.21%	7.66%	0.84%	2.38%	15.67%	22.15%
Diageo	3LDO	-1.85%	3.83%	2.56%	-0.47%	-1.86%	2.10%	-3.10%
Glencore	3LGL	-11.40%	-2.68%	11.70%	4.72%	1.08%	1.94%	-7.74%
Lloyds Banking Group	3LLL	-12.66%	-4.69%	10.58%	7.41%	2.42%	1.27%	13.69%
Rio Tinto	3LRI	-7.20%	-0.46%	8.53%	1.04%	-1.71%	-0.44%	-28.34%
Rolls-Royce	3LRR	7.76%	11.11%	10.00%	9.09%	16.06%	66.76%	74.09%
Royal Dutch Shell A	3LRD	-4.02%	10.86%	5.93%	1.22%	0.93%	15.14%	17.94%
Vodafone	3LVO	-0.48%	-0.30%	3.58%	-2.81%	-1.42%	-1.52%	-19.99%

3x Short ETP performance

Underlying stock	Ticker	20-Sep	21-Sep	22-Sep	23-Sep	24-Sep	1 Week	Last 20 days
AstraZeneca	3SAZ	-18.46%	-5.35%	3.20%	-1.83%	-6.11%	-26.58%	-15.40%
BAE Systems	3SBA	1.11%	0.20%	-2.99%	1.44%	-0.74%	-1.05%	-3.16%
Barclays	3SBC	12.86%	0.00%	-11.11%	-4.38%	0.41%	-3.67%	-0.24%
ВР	3SBP	0.88%	-5.05%	-7.75%	-0.98%	-2.30%	-14.51%	-20.69%
Diageo	3SDO	1.80%	-3.86%	-2.59%	0.46%	1.81%	-2.50%	2.09%
Glencore	3SGL	11.08%	2.65%	-11.34%	-5.23%	-0.83%	-5.00%	2.96%
Lloyds Banking Group	3SLL	12.63%	4.61%	-10.65%	-7.35%	-2.49%	-4.89%	-16.81%
Rio Tinto	3SRI	7.24%	0.44%	-8.70%	-0.95%	1.62%	-1.02%	31.69%
Rolls-Royce	3SRR	-12.78%	-10.09%	-6.55%	-11.71%	-13.17%	-43.82%	-45.52%
Royal Dutch Shell A	3SRD	3.92%	-10.93%	-5.82%	-1.17%	-1.10%	-14.80%	-17.90%
Vodafone	3SVO	0.42%	0.25%	-3.61%	2.76%	1.40%	1.11%	22.55%

Data and charts

All performance data to 24 September 2021. Data and charts sourced from Bloomberg, unless otherwise indicated.



Weekly performance and moving averages – Underlying U.S. stocks

Underlying stock	Closing price 24 Sep 2021	Weekly change	MA 200d	MA 50d	High - 52w	Low - 52w	Price vs 52w High
ADM	105.80	1.8%	89.75	103.99	122.37	72.50	-13.54%
Alphabet	2,844.30	1.0%	2,289.03	2,755.22	2,923.97	1,402.68	-2.72%
Amazon	3,425.52	-1.1%	3,306.36	3,424.26	3,772.12	2,882.52	-9.19%
Apple	146.92	0.6%	134.41	148.25	157.26	105.00	-6.58%
Facebook	352.96	-3.2%	313.11	363.26	384.33	244.62	-8.16%
Microsoft	299.35	-0.2%	255.33	293.50	305.83	199.22	-2.12%
Moderna	430.14	0.0%	220.18	390.10	497.00	63.64	-13.45%
Netflix	592.39	0.5%	528.23	548.08	615.60	463.41	-3.77%
NIO	35.38	-5.7%	44.30	40.57	66.98	16.75	-47.18%
NVIDIA	220.81	0.8%	163.82	208.18	230.43	115.67	-4.17%
Palantir	28.56	-0.5%	25.08	24.42	45.00	8.90	-36.53%
Tesla	774.39	2.0%	696.65	706.23	900.27	351.30	-13.98%
UBER	46.63	17.3%	50.75	42.50	64.00	32.89	-27.14%

3x Long ETP performance

Underlying stock	Ticker	20-Sep	21-Sep	22-Sep	23-Sep	24-Sep	1 Week	Last 20 days
ADM	3LAM	-20.44%	3.75%	4.44%	5.05%	16.17%	5.21%	6.96%
Alphabet	3LAL	-4.46%	0.67%	2.69%	1.98%	2.12%	2.86%	-4.80%
Amazon	3LZN	-9.28%	-1.09%	3.26%	3.19%	0.82%	-3.60%	-7.57%
Apple	3LAP	-6.43%	1.02%	5.06%	2.00%	0.18%	1.47%	-18.34%
Facebook	3LFB	-7.45%	1.50%	-11.99%	2.40%	6.06%	-10.21%	-22.21%
Microsoft	3LMS	-5.60%	0.50%	3.84%	0.97%	-0.22%	-0.74%	-1.38%
Moderna	3IMO	-18.73%	7.52%	4.66%	9.28%	-1.55%	-1.62%	7.18%
Netflix	3LNF	-7.12%	-1.19%	9.14%	1.32%	-0.45%	1.03%	-7.77%
NVIDIA	3LNV	-10.81%	1.88%	9.80%	7.39%	-5.36%	1.41%	-8.83%
Palantir	3LPA	-34.03%	0.76%	9.26%	14.36%	14.89%	-4.58%	37.57%
Tesla	3LTS	-11.62%	3.77%	5.08%	0.67%	8.25%	5.03%	7.37%
UBER	3LUB	0.27%	34.43%	3.43%	4.07%	7.57%	56.08%	41.54%
NIO	3LNI	-18.76%	-2.32%	6.86%	2.58%	-5.26%	-17.59%	-36.15%

3x Short ETP performance

Underlying stock	Ticker	20-Sep	21-Sep	22-Sep	23-Sep	24-Sep	1 Week	Last 20 days
ADM	3SAM	-9.00%	-3.77%	-4.54%	-5.40%	18.73%	-6.11%	27.78%
Alphabet	3SAL	4.48%	-0.81%	-2.71%	-1.95%	-2.12%	-3.23%	3.46%
Amazon	3SZN	9.25%	1.03%	-3.21%	-3.24%	-0.84%	2.51%	6.46%
Apple	3SAP	6.33%	-0.92%	-5.19%	-1.95%	-0.21%	-2.27%	19.27%
Facebook	3SFB	7.32%	-1.40%	11.94%	-2.35%	-6.15%	8.55%	24.21%
Microsoft	3SMS	5.60%	-0.55%	-3.90%	-0.93%	0.18%	0.16%	-0.06%
Moderna	3SMO	-10.86%	-7.52%	-4.59%	-9.63%	36.37%	-3.07%	10.54%
Netflix	3SNF	7.02%	1.27%	-9.21%	-1.38%	0.46%	-2.51%	5.73%
NVIDIA	3SNV	10.36%	-1.83%	-9.35%	-7.22%	4.88%	-4.43%	4.88%
Palantir	3SPA	4.33%	-0.67%	-9.09%	-14.81%	19.94%	-3.74%	-12.42%
Tesla	3STS	11.54%	-3.80%	-5.11%	-0.69%	-8.27%	-7.24%	-10.24%
UBER	3SUB	-0.41%	-34.38%	-3.46%	-4.04%	-7.74%	-44.14%	-39.80%
NIO	3SNI	18.66%	2.28%	-6.89%	-2.63%	5.23%	15.79%	42.43%

Data and charts

All performance data to 24 September 2021. Data and charts sourced from Bloomberg, unless otherwise indicated.



Weekly performance and moving averages – Underlying E.U. stocks

Underlying stock	Closing price 24 Sep 2021	Weekly change	MA 200d	MA 50d	High - 52w	Low - 52w	Price vs 52w High
Airbus	115.40	2.1%	102.65	113.83	121.00	57.87	-4.63%
AXA	23.51	1.8%	21.97	23.21	24.45	13.34	-3.85%
BNP-Paribas	54.80	2.4%	50.90	52.72	57.92	28.79	-5.39%
Danone	59.41	0.2%	58.24	61.20	65.30	46.03	-9.02%
L'Oreal	378.35	-1.1%	349.05	391.39	406.25	269.30	-6.87%
LVMH	642.90	1.9%	601.90	658.20	716.60	392.50	-10.28%
Safran	111.38	5.8%	115.81	108.54	127.74	80.64	-12.81%
Sanofi	82.02	0.6%	83.89	86.34	91.14	74.92	-10.01%
Schneider Electric	149.86	-2.0%	133.48	148.43	159.30	100.65	-5.93%
STMicroelectronics	39.47	1.6%	32.76	36.34	40.40	24.51	-2.29%
TotalEnergies	39.70	5.2%	37.85	37.33	42.19	24.51	-5.91%
Volkswagen	189.38	-0.2%	197.88	200.40	252.20	122.96	-24.91%

3x Long ETP performance

Underlying stock	Ticker	20-Sep	21-Sep	22-Sep	23-Sep	24-Sep	1 Week	Last 20 days
Airbus	3LAR	-2.83%	3.36%	6.94%	2.03%	-3.22%	6.06%	2.70%
AXA	3LAX	-9.54%	3.54%	5.62%	4.40%	1.50%	4.83%	-2.60%
BNP-Paribas	3LBN	-13.38%	1.20%	10.48%	6.90%	2.32%	5.93%	0.90%
Danone	3LDA	-2.18%	3.34%	1.62%	-0.91%	-1.41%	0.35%	-4.27%
L'Oreal	3LOR	-8.03%	9.00%	0.65%	2.16%	-6.84%	-3.97%	-11.69%
LVMH	3LLV	-5.91%	8.47%	3.43%	4.97%	-5.10%	5.15%	-5.93%
Safran	3LSA	6.79%	4.00%	3.46%	3.53%	-0.78%	18.03%	25.03%
Sanofi	3LSN	1.75%	0.75%	1.73%	0.49%	-2.99%	1.65%	-16.50%
Schneider Electric	3LSE	-11.30%	2.22%	7.38%	0.00%	-4.18%	-6.71%	-10.00%
STMicroelectronics	3LST	-4.74%	4.31%	2.07%	4.72%	-1.50%	4.62%	9.23%
TotalEnergies	3LTO	-4.31%	6.01%	7.68%	4.24%	0.47%	14.39%	20.95%
Volkswagen	3LVW	-13.66%	3.54%	6.32%	3.47%	0.19%	-1.48%	-17.07%

3x Short ETP performance

Underlying stock	Ticker	20-Sep	21-Sep	22-Sep	23-Sep	24-Sep	1 Week	Last 20 days
Airbus	3SAR	2.80%	-3.51%	-6.88%	-2.26%	3.35%	-6.69%	-5.03%
AXA	3SAX	9.29%	-3.40%	-5.53%	-4.43%	-1.62%	-6.23%	0.05%
BNP-Paribas	3SBN	13.41%	-1.39%	-10.41%	-6.89%	-2.43%	-8.97%	-5.81%
Danone	3SDA	2.03%	-3.25%	-1.77%	0.90%	1.46%	-0.73%	3.30%
L'Oreal	3SOR	8.13%	-9.15%	-0.76%	-2.11%	6.78%	1.90%	9.78%
LVMH	3SLV	5.85%	-8.54%	-3.33%	-5.06%	5.06%	-6.65%	1.85%
Safran	3SSA	-6.85%	-4.02%	-3.52%	-3.65%	0.84%	-16.19%	-23.73%
Sanofi	3SSN	-1.73%	-0.82%	-1.82%	-0.51%	2.97%	-1.96%	17.71%
Schneider Electric	3SSE	11.36%	-2.26%	-7.50%	-0.21%	4.30%	4.79%	6.06%
STMicroelectronics	3SST	4.53%	-4.19%	-2.18%	-4.71%	1.46%	-5.29%	-11.86%
TotalEnergies	3STO	4.22%	-7.45%	-7.59%	-4.48%	-0.41%	-15.20%	-21.31%
Volkswagen	3SVW	13.75%	-3.68%	-6.53%	-3.41%	-0.22%	-1.30%	14.76%

Data and charts

All performance data to 24 September 2021. Data and charts sourced from Bloomberg, unless otherwise indicated.





UK Blue Chips



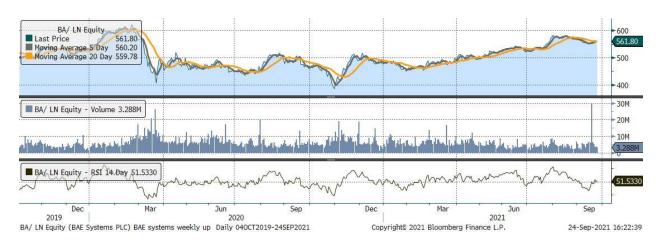
Company	AstraZeneca (AZN)	AZN Performa	ance
Listed ETPs	3x Long AstraZeneca Daily ETP (3LAZ)	1 week	9.7%
	3x Short AstraZeneca Daily ETP (3SAZ)	1 month	3.4%
		YTD	24.1%
Exchange	London Stock Exchange	Price vs 52w high	-1.5%



		12/31/2021		12/31/2022			
	Net Income	EPS	DPS	Net Income	EPS	DPS	
Current	\$7.3 b	\$5.29	\$2.80	\$10.2 b	\$6.88	\$2.92	
1 month change	0.0%	-0.1%	-1.0%	-1.0%	0.2%	-0.5%	



Company	BAE Systems (BA.)	BA. Performance	
Listed ETPs	3x Long BAE Systems Daily ETP (3LBA)	1 week	0.3%
	3x Short BAE Systems Daily ETP (3SBA)	1 month	-1.1%
		YTD	18.1%
Exchange	London Stock Exchange	Price vs 52w high	-4.7%



	12/31/2021			12/31/2022		
	Net Income	EPS	DPS	Net Income	EPS	DPS
Current	£1.5 b	\$0.46	\$0.25	£1.6 b	\$0.51	\$0.26
1 month change	-0.1%	0.0%	0.0%	0.0%	0.0%	0.0%



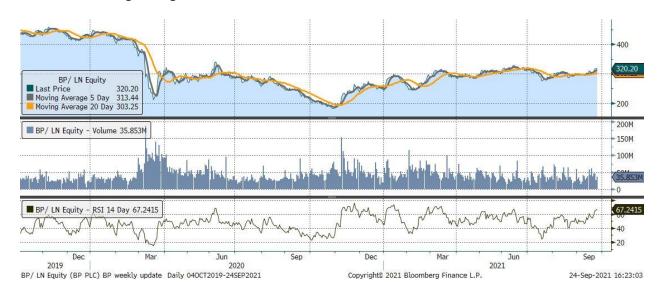
Company	Barclays (BARC)	BARC Performance	
Listed ETPs	3x Long Barclays Daily ETP (3LBC)	1 week	0.6%
	3x Short Barclays Daily ETP (3SBC)	1 month	-0.8%
		YTD	27.4%
Exchange	London Stock Exchange	Price vs 52w high	-3.4%



		12/31/2021			12/31/2022	
	Net Income	EPS	DPS	Net Income	EPS	DPS
Current	\$5.4 b	\$0.30	\$0.06	\$4.2 b	\$0.25	\$0.08
1 month change	0.7%	-2.0%	0.0%	-0.5%	-1.6%	3.9%



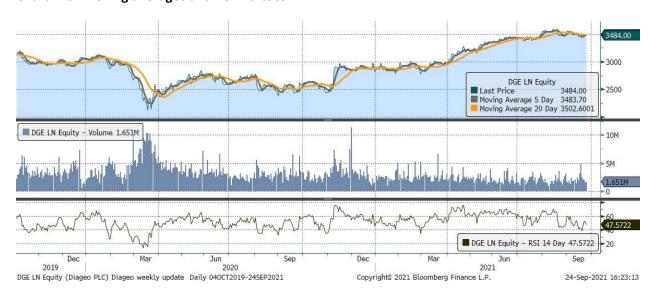
Company	BP (BP.)	BP. Performance	
Listed ETPs	3x Long BP Daily TP (3LBP)	1 week	5.1%
	3x Short BP Daily ETP (3SBP)	1 month	7.3%
		YTD	30.6%
Exchange	London Stock Exchange	Price vs 52w high	-5.0%



		12/31/2021			12/31/2022	
	Net Income	EPS	DPS	Net Income	EPS	DPS
Current	£11.1 b	\$0.56	\$0.22	£11.4 b	\$0.60	\$0.22
1 month change	2.2%	1.8%	0.9%	3.1%	2.9%	0.5%



Company	Diageo (DGE)	DGE Performance	
Listed ETPs	3x Long Diageo Daily ETP (3LDO)	1 week	0.8%
	3x Short Diageo Daily ETP (3SDO)	1 month	0.3%
		YTD	23.8%
Exchange	London Stock Exchange	Price vs 52w high	-4.3%



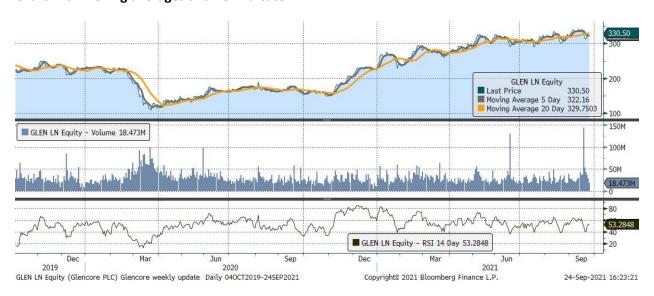
Consensus forecasts

		6/30/2022			6/30/2023	
	Net Income	EPS	DPS	Net Income	EPS	DPS
Current	£3.0 b	\$1.30	\$0.74	£3.3 b	\$1.44	\$0.79
1 month change	-0.6%	0.1%	0.0%	-0.4%	-0.3%	0.3%

GRANITESHARES Limited GRANITESHARES.COM EUROPE@GRANITESHARES.COM 10



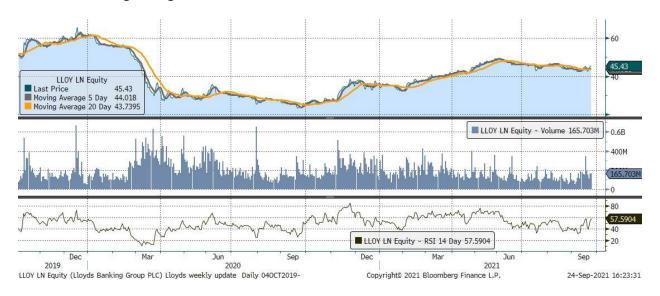
Company	Glencore (GLEN)	GLEN Performance	
Listed ETPs	3x Long Glencore Daily ETP (3LGL)	1 week	1.0%
	3x Short Glencore Daily ETP (3SGL)	1 month	2.7%
		YTD	47.2%
Exchange	London Stock Exchange	Price vs 52w high	-3.6%



	12/31/2021			12/31/2022		
	Net Income	EPS	DPS	Net Income	EPS	DPS
Current	\$8.1 b	\$0.62	\$0.21	\$7.9 b	\$0.56	\$0.34
1 month change	5.1%	8.0%	3.9%	12.9%	4.5%	16.2%



Company	Lloyds Banking Group (LLOY)	oup (LLOY) LLOY Performance	
Listed ETPs	3x Long Lloyds Banking Group Daily ETP (3LLL)	1 week	0.9%
	3x Short Lloyds Banking Group Daily ETP (3SLL)	1 month	2.1%
		YTD	28.1%
Exchange	London Stock Exchange	Price vs 52w high	-9.9%

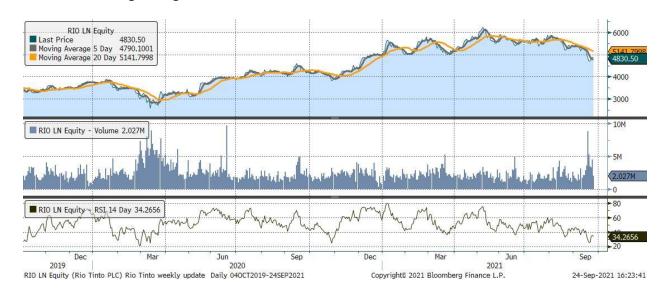


Consensus forecasts

		12/31/2021			12/31/2022	
	Net Income	EPS	DPS	Net Income	EPS	DPS
Current	£5.2 b	\$0.07	\$0.02	£4.3 b	\$0.06	\$0.03
1 month change	2.7%	0.0%	5.3%	0.2%	0.0%	4.2%



Company	Rio Tinto (RIO)	RIO Performance	
Listed ETPs	3x Long Rio Tinto Daily ETP (3LRI)	1 week	0.0%
	3x Short Rio Tinto Daily ETP (3SRI)	1 month	-10.9%
		YTD	-1.0%
Exchange	London Stock Exchange	Price vs 52w high	-27.2%



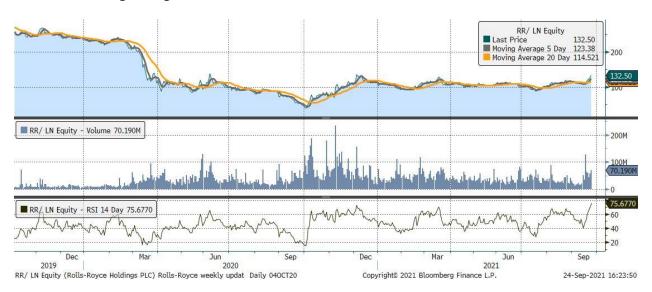
Consensus forecasts

	12/31/2021			12/31/2022		
	Net Income	EPS	DPS	Net Income	EPS	DPS
Current	\$23.7 b	\$14.52	\$11.61	\$16.8 b	\$10.25	\$7.84
1 month change	-4.7%	-5.7%	-1.1%	-6.7%	-7.9%	-5.9%

GRANITESHARES Limited GRANITESHARES.COM EUROPE@GRANITESHARES.COM 13



Company	Rolls-Royce Holdings (RR.)	RR. Performance	
Listed ETPs	3x Long Rolls-Royce Daily ETP (3LRR)	1 week	19.4%
	3x Short Rolls-Royce Daily ETP (3SRR)	1 month	13.8%
		YTD	19.1%
Exchange	London Stock Exchange	Price vs 52w high	-3.4%



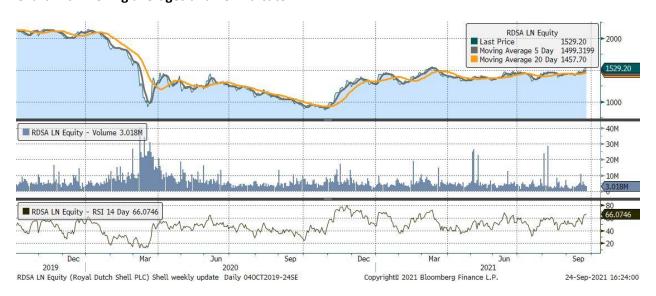
Consensus forecasts

		12/31/2021			12/31/2022	
	Net Income	EPS	DPS	Net Income	EPS	DPS
Current	£0.1 b	\$0.01	\$0.00	£0.4 b	\$0.05	\$0.00
1 month change	52.6%	116.7%		5.1%	10.2%	

GRANITESHARES Limited GRANITESHARES.COM EUROPE@GRANITESHARES.COM 14



Company	Royal Dutch Shell A (RDSA)	RDSA Performance	
Listed ETPs	3x Long Royal Dutch Shell Daily ETP (3LRD)	1 week	5.0%
	3x Short Royal Dutch Shell Daily ETP (3SRD)	1 month	6.8%
		YTD	21.3%
Exchange	London Stock Exchange	Price vs 52w high	-3.7%



Consensus forecasts

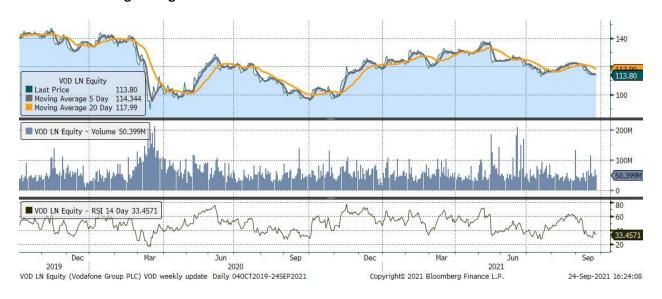
		12/31/2021			12/31/2022	
	Net Income	EPS	DPS	Net Income	EPS	DPS
Current	\$19.4 b	\$2.48	\$0.87	\$20.9 b	\$2.91	\$0.98
1 month change	1.2%	-0.1%	-5.3%	1.2%	0.3%	2.0%

GRANITESHARES Limited GRANITESHARES.COM

EUROPE@GRANITESHARES.COM



Company	Vodafone (VOD)	VOD Performance	
Listed ETPs	3x Long Vodafone Daily ETP (3LVO)	1 week	-0.5%
	3x Short Vodafone Shell Daily ETP (3SVO)	1 month	-7.5%
		YTD	-3.0%
Exchange	London Stock Exchange	Price vs 52w high	-20.3%



Consensus forecasts

		3/31/2022			3/31/2023	
	Net Income	EPS	DPS	Net Income	EPS	DPS
Current	£2.8 b	\$0.09	\$0.09	£3.2 b	\$0.11	\$0.09
1 month change	1.9%	2.2%	0.0%	4.3%	3.8%	0.0%



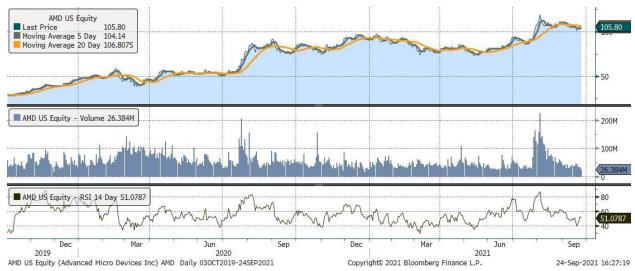


U.S. Tech Leaders

GRANITESHARES Limited



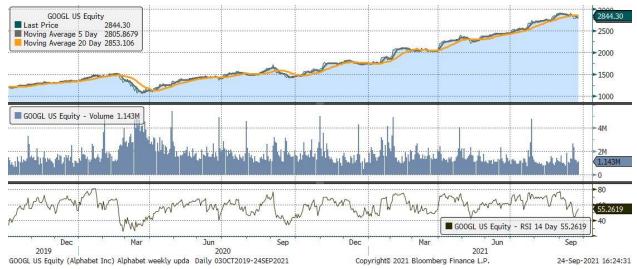
Company	AMD (AMD)	GOOGL Perform	mance
Listed ETPs	3x Long ADM Daily ETP (3LAM)	1 week	1.8%
	3x Short ADM Daily ETP (3SAM)	1 month	-2.3%
		YTD	15.4%
Exchange	Euronext Paris	Price vs 52w high	-13.5%



		12/26/2021			12/26/2022	
	Net Income	EPS	CFPS	Net Income	EPS	CFPS
Current	\$3.1 b	\$2.49	\$2.60	\$3.7 b	\$3.04	\$2.94
1 month change	0.1%	0.0%	0.0%	0.8%	0.4%	0.0%



Company	Alphabet (GOOGL)	GOOGL Performance	
Listed ETPs	3x Long Alphabet Daily ETP (3LAL)	1 week	1.0%
	3x Short Alphabet Daily ETP (3SAL)	1 month	0.1%
		YTD	62.3%
Exchange	London Stock Exchange, Euronext Paris	Price vs 52w high	-2.7%



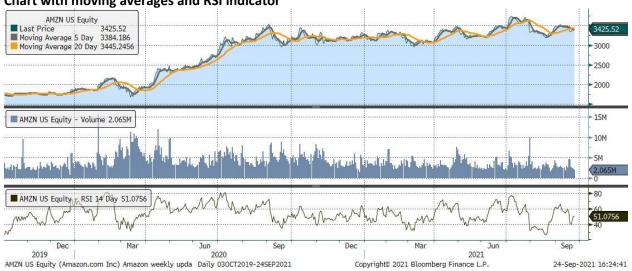
Consensus forecasts

		12/31/2021			12/31/2022	
	Net Income	EPS	CFPS	Net Income	EPS	CFPS
Current	\$80.1 b	\$116.51	\$114.20	\$86.3 b	\$125.45	\$128.94
1 month change	-3.9%	-2.3%	0.0%	-3.1%	-3.4%	0.0%



Company	Amazon.com (AMZN)	AMZN Performance	
Listed ETPs	3x Long Amazon Daily ETP (3LZN)	1 week	-1.1%
	3x Short Amazon Daily ETP (3SZN)	1 month	3.8%
		YTD	5.2%
Exchange	London Stock Exchange, Euronext Paris	Price vs 52w high	-9.2%





Consensus forecasts

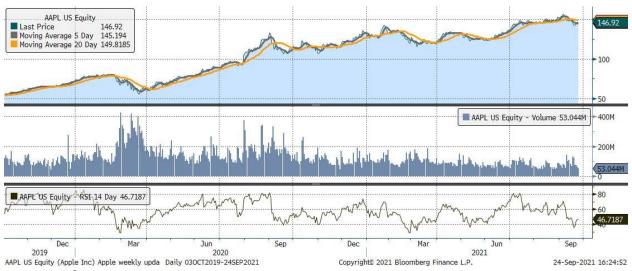
		12/31/2021			12/31/2022	
	Net Income	EPS	CFPS	Net Income	EPS	CFPS
Current	\$37.4 b	\$68.73	\$149.45	\$46.2 b	\$82.25	\$183.38
1 month change	-2.8%	-2.2%	3.0%	-2.7%	-2.2%	0.2%

GRANITESHARES Limited GRANITESHARES.COM

EUROPE@GRANITESHARES.COM



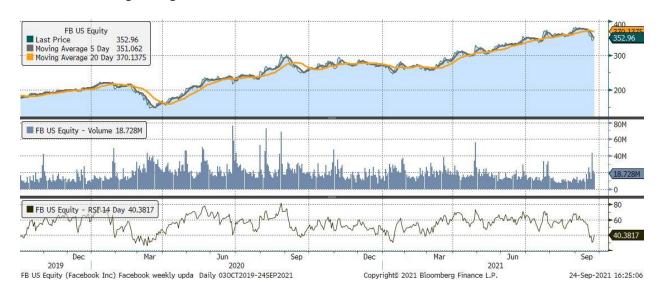
Company	Apple (AAPL)	AAPL Performance	
Listed ETPs	3x Long Apple Daily ETP (3LAP)	1 week	0.6%
	3x Short Apple Daily ETP (3SAP)	1 month	-1.0%
		YTD	11.2%
Exchange	London Stock Exchange, Euronext Paris	Price vs 52w high	-6.6%



		9/26/2021			9/26/2022	
	Net Income	EPS	CFPS	Net Income	EPS	CFPS
Current	\$93.8 b	\$5.57	\$6.21	\$91.1 b	\$5.62	\$6.29
1 month change	0.1%	-0.2%	-0.8%	-0.4%	-0.6%	-1.2%



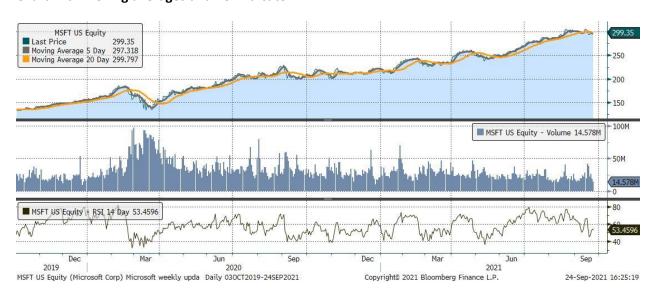
Company	Facebook (FB)	FB Performance	
Listed ETPs	3x Long Facebook Daily ETP (3LBP)	1 week	-3.2%
	3x Short Facebook Daily ETP (3SBP)	1 month	-4.2%
		YTD	29.2%
Exchange	London Stock Exchange, Euronext Paris	Price vs 52w high	-8.2%



	12/31/2021			12/31/2022		
	Net Income	EPS	CFPS	Net Income	EPS	CFPS
Current	\$43.9 b	\$15.92	\$18.87	\$49.8 b	\$18.20	\$22.51
1 month change	0.0%	0.1%	0.0%	1.0%	-0.4%	0.0%



Company	Microsoft (MSFT)	MSFT Performance	
Listed ETPs	3x Long Microsoft Daily ETP (3LMS)	1 week	-0.2%
	3x Short Microsoft Daily ETP (3SMS)	1 month	-0.9%
		YTD	35.5%
Exchange	London Stock Exchange, Euronext Paris	Price vs 52w high	-2.1%



		6/30/2022			6/30/2023	
	Net Income	EPS	CFPS	Net Income	EPS	CFPS
Current	\$65.7 b	\$8.77	\$11.56	\$74.7 b	\$10.07	\$13.27
1 month change	0.0%	0.3%	0.1%	0.2%	0.2%	0.6%



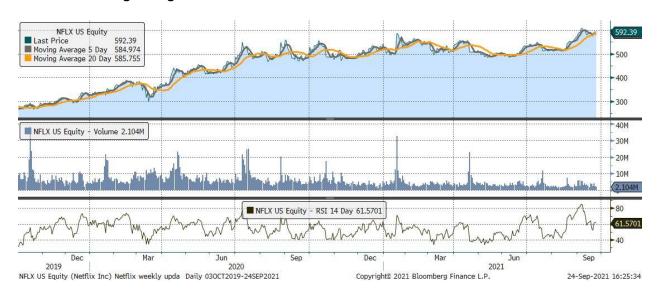
Company	Moderna (MRNA)	NFLX Performance	
Listed ETPs	3x Long Moderna Daily ETP (3LMO)	1 week	0.0%
	3x Short Moderna Daily ETP (3SMO)	1 month	8.1%
		YTD	311.7%
Exchange	Euronext Paris	Price vs 52w high	-13.5%



		12/31/2021			12/31/2022	
	Net Income	EPS	CFPS	Net Income	EPS	CFPS
Current	\$12.8 b	\$29.76	\$34.86	\$11.8 b	\$26.80	\$25.14
1 month change	0.2%	-0.1%	3.8%	8.4%	0.7%	0.3%



Company	Netflix (NFLX)	NFLX Performance	
Listed ETPs	3x Long Netflix Daily ETP (3LNF)	1 week	0.5%
	3x Short Netflix Daily ETP (3SNF)	1 month	8.2%
		YTD	9.6%
Exchange	London Stock Exchange, Euronext Paris	Price vs 52w high	-3.8%

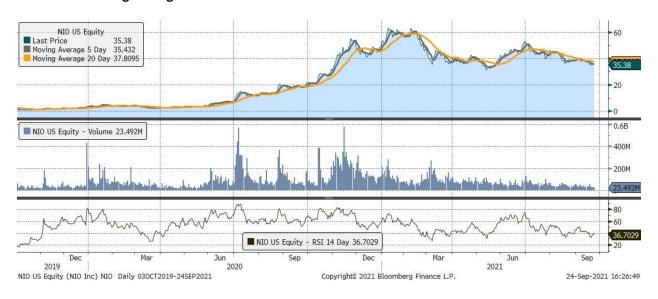


Consensus forecasts

	12/31/2021			12/31/2022		
	Net Income	EPS	CFPS	Net Income	EPS	CFPS
Current	\$5.1 b	\$10.96	\$5.40	\$6.2 b	\$13.00	\$6.71
1 month change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%



Company	NIO Inc (NIO)	NIO Performance	
Listed ETPs	3x Long NIO Daily ETP (3LNI)	1 week	-5.7%
	3x Short NIO Daily ETP (3SNI)	1 month	-9.2%
		YTD	-27.4%
Exchange	London Stock Exchange, Euronext Paris	Price vs 52w high	-47.2%



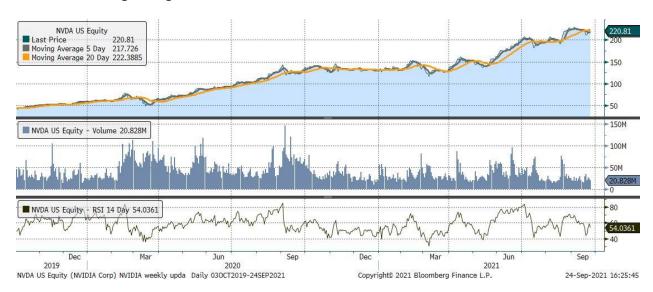
Consensus forecasts

		12/31/2021			12/31/2022	
	Net Income	EPS	CFPS	Net Income	EPS	CFPS
Current	-\$4.7 b	-\$3.35	-\$0.60	-\$0.9 b	-\$0.82	\$3.82
1 month change	-3.1%	0.0%	58.9%	21.5%	10.7%	0.0%

GRANITESHARES Limited GRANITESHARES.COM EUROPE@GRANITESHARES.COM 26



Company	NVIDIA (NVDA)	NVDA Performance	
Listed ETPs	3x Long NVIDIA Daily ETP (3LNV)	1 week	0.8%
	3x Short NVIDIA Daily ETP (3SNV)	1 month	-0.6%
		YTD	69.3%
Exchange	London Stock Exchange, Euronext Paris	Price vs 52w high	-4.2%



		1/31/2022			1/31/2023	
	Net Income	EPS	CFPS	Net Income	EPS	CFPS
Current	\$10.4 b	\$4.11	\$4.31	\$11.6 b	\$4.59	\$4.99
1 month change	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%



Company	Palantir (PLTR)	TSLA Performance	
Listed ETPs	3x Long Palantir Daily ETP (3LPA)	1 week	-0.5%
	3x Short Palantir Daily ETP (3SPA)	1 month	17.3%
		YTD	21.3%
Exchange	Euronext Paris	Price vs 52w high	-36.5%



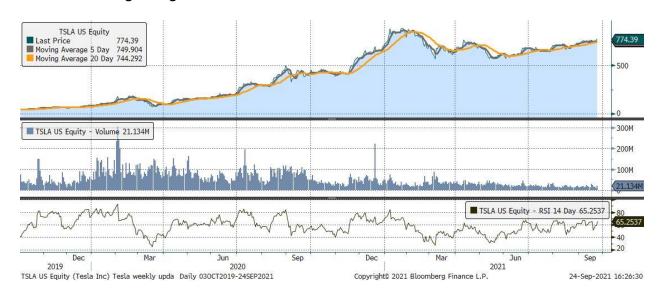
Consensus forecasts

		12/31/2021			12/31/2022	2
	Net Income	EPS	CFPS	Net Income	EPS	CFPS
Current	\$0.3 b	\$0.16		\$0.4 b	\$0.21	
1 month change	0.0%	0.0%		0.0%	0.0%	

GRANITESHARES Limited GRANITESHARES.COM EUROPE@GRANITESHARES.COM 28



Company	Tesla (TSLA)	TSLA Perform	ance
Listed ETPs	3x Long Tesla Daily ETP (3LTS)	1 week	2.0%
	3x Short Tesla Daily ETP (3STS)	1 month	8.9%
		YTD	9.7%
Exchange	London Stock Exchange, Euronext Paris	Price vs 52w high	-14.0%

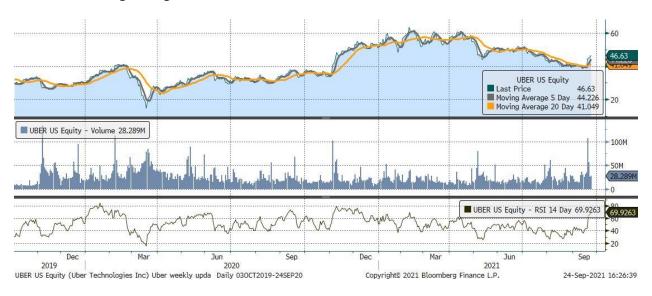


Consensus forecasts

	12/31/2021			12/31/2022		
	Net Income	EPS	CFPS	Net Income	EPS	CFPS
Current	\$5.7 b	\$5.26	\$7.88	\$8.2 b	\$7.22	\$11.26
1 month change	-0.7%	-0.5%	0.4%	-1.0%	-1.0%	0.2%



Company	Uber Technologies (UBER)	UBER Performance		
Listed ETPs	3x Long Uber Daily ETP (3LUB)	1 week	17.3%	
	3x Short Uber Daily ETP (3SUB)	1 month	12.2%	
		YTD	-8.6%	
Exchange	London Stock Exchange, Euronext Paris	Price vs 52w high	-27.1%	



Consensus forecasts

		12/31/2021			12/31/2022	
	Net Income	EPS	CFPS	Net Income	EPS	CFPS
Current	\$0.3 b	-\$0.19	-\$0.22	-\$0.5 b	-\$0.36	\$0.62
1 month change	39.1%	-24.5%	-13.7%	59.1%	17.5%	6.0%

GRANITESHARES Limited GRANITESHARES.COM EUROPE@GRANITESHARES.COM 30





E.U Stocks

GRANITESHARES Limited GRA



Company	Airbus (AIR)	Airbus Performance	
Listed ETPs	3x Long Airbus Daily ETP (3LAR)	1 week	2.1%
	3x Short Airbus Daily ETP (3SAR)	1 month	-0.4%
		YTD	26.5%
Exchange	Euronext Paris	Price vs 52w high	-4.6%

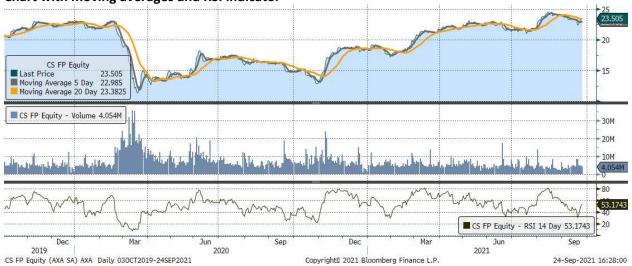


		12/31/2021			12/31/2022	
	Net Income	EPS	DPS	Net Income	EPS	DPS
Current	€3.0 b	€3.88	€1.01	€3.9 b	€5.06	€1.61
1 month change	3.5%	5.3%	3.6%	1.4%	2.0%	1.5%



Company	AXA (CS)	AXA Performance
Listed ETPs	3x Long AXA Daily ETP (3LAX)	1 week 1.8%
	3x Short AXA Daily ETP (3SAX)	1 month -2.6%
		YTD 27.0%
Exchange	Euronext Paris	Price vs 52w high -3.8%

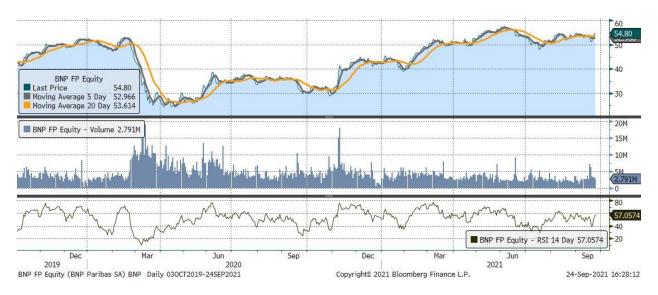




	12/31/2021			12/31/2022		
	Net Income	EPS	DPS	Net Income	EPS	DPS
Current	€6.8 b	€2.84	€1.51	€7.1 b	€2.93	€1.60
1 month change	-0.2%	-0.4%	1.1%	-0.1%	-0.2%	0.1%



Company	BNP Paribas (BNP)	BNP Paribas Performance	
Listed ETPs	3x Long BNP Daily ETP (3LBN)	1 week	2.4%
	3x Short BNP Daily ETP (3SBN)	1 month	1.2%
		YTD	29.1%
Exchange	Euronext Paris	Price vs 52w high	-5.4%



Consensus forecasts

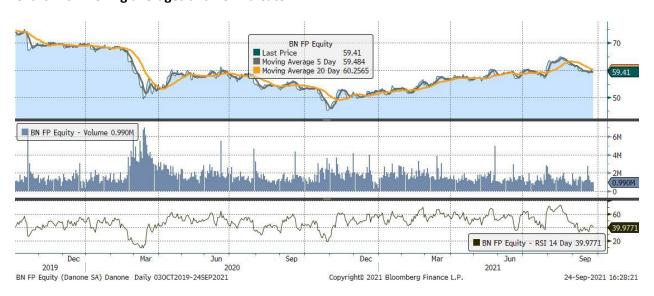
	12/31/2021			12/31/2022		
	Net Income	EPS	DPS	Net Income	EPS	DPS
Current	€8.0 b	€6.49	€3.55	€8.1 b	€6.58	€3.48
1 month change	-0.6%	-0.6%	0.4%	-0.1%	-0.4%	0.5%

GRANITESHARES Limited GRANITESHARES.COM

EUROPE@GRANITESHARES.COM



Company	Danone (BN)	Danone Performance	
Listed ETPs	3x Long Danone Daily ETP (3LDA)	1 week	0.2%
	3x Short Danone Daily ETP (3SDA)	1 month	-4.7%
		YTD	13.2%
Exchange	Euronext Paris	Price vs 52w high	-9.0%



Consensus forecasts

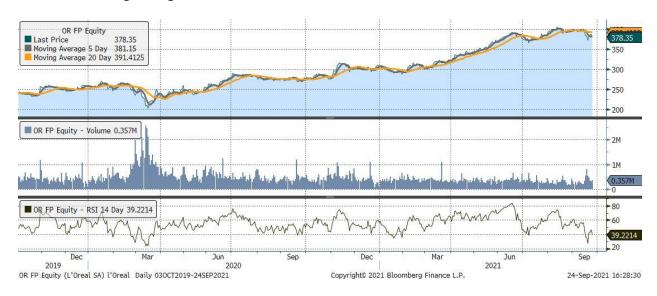
		12/31/2021			12/31/2022	
	Net Income	EPS	DPS	Net Income	EPS	DPS
Current	€2.1 b	€3.27	€1.96	€2.3 b	€3.56	€2.08
1 month change	0.1%	-0.4%	-0.3%	0.1%	0.2%	-0.2%

GRANITESHARES Limited GRANITESHARES.COM

EUROPE@GRANITESHARES.COM



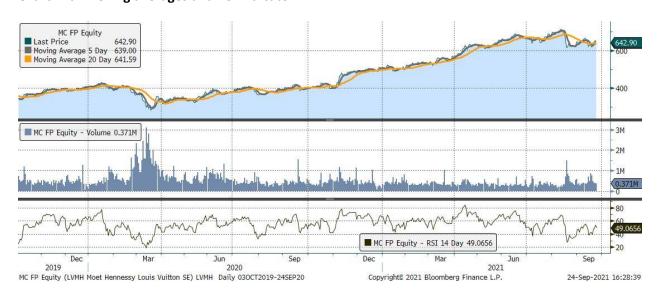
Company	L'Oreal (OR)	L'Oreal Performance	
Listed ETPs	3x Long L'Oreal Daily ETP (3LOR)	1 week	-1.1%
	3x Short L'Oreal Daily ETP (3SOR)	1 month	-3.7%
		YTD	22.2%
Exchange	Euronext Paris	Price vs 52w high	-6.9%



		12/31/2021			12/31/2022	
	Net Income	EPS	DPS	Net Income	EPS	DPS
Current	€4.8 b	€8.57	€4.45	€5.2 b	€9.35	€4.88
1 month change	-0.5%	0.1%	-0.9%	-0.8%	-0.6%	-0.7%



Company	LVMH (MC)	LVMH Performance	
Listed ETPs	3x Long LVMH Daily ETP (3LLV)	1 week	1.9%
	3x Short LVMH Daily ETP (3SLV)	1 month	3.3%
		YTD	26.1%
Exchange	Euronext Paris	Price vs 52w high	-10.3%



Consensus forecasts

		12/31/2021			12/31/2022	
	Net Income	EPS	DPS	Net Income	EPS	DPS
Current	€10.4 b	€20.53	€7.82	€11.6 b	€22.81	€9.03
1 month change	0.7%	1.1%	1.9%	0.7%	0.7%	1.2%

GRANITESHARES Limited GRANITESHARES.COM

EUROPE@GRANITESHARES.COM

37



Company	Safran (SAF)	Safran Performance	
Listed ETPs	3x Long Safran Daily ETP (3LSA)	1 week	5.8%
	3x Short Safran Daily ETP (3SSA)	1 month	4.1%
		YTD	-6.1%
Exchange	Euronext Paris	Price vs 52w high	-12.8%



Consensus forecasts

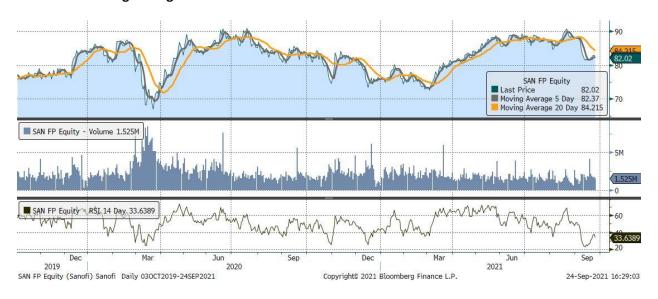
		12/31/2021			12/31/2022	
	Net Income	EPS	DPS	Net Income	EPS	DPS
Current	€1.2 b	€2.69	€0.98	€1.8 b	€4.28	€1.70
1 month change	-1.4%	-2.4%	-1.2%	-1.2%	-2.3%	-1.2%

GRANITESHARES Limited GRANITESHARES.COM

EUROPE@GRANITESHARES.COM



Company	Sanofi (SAN)	Sanofi Performanc	
Listed ETPs	3x Long Sanofi Daily ETP (3LSN)	1 week	0.6%
	3x Short Sanofi Daily ETP (3SSN)	1 month -6.	
		YTD	8.0%
Exchange	London Stock Exchange, Euronext Paris	Price vs 52w high	-10.0%



Consensus forecasts

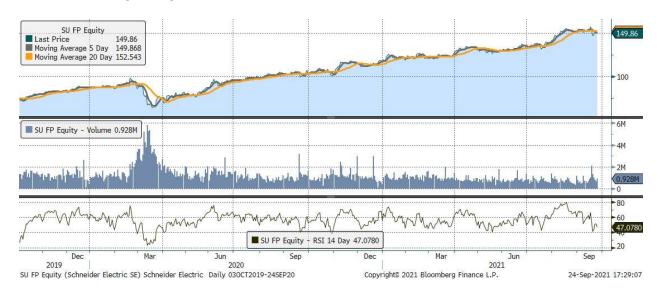
		12/31/2021			12/31/2022	
	Net Income	EPS	DPS	Net Income	EPS	DPS
Current	€8.0 b	€6.38	€3.29	€8.8 b	€7.08	€3.43
1 month change	0.7%	0.1%	0.0%	0.4%	-0.3%	-0.1%

GRANITESHARES Limited GRANITESHARES.COM

EUROPE@GRANITESHARES.COM



Company	Schneider Electric (SU)	Schneider Electric Performance	
Listed ETPs	3x Long Schneider Electric Daily ETP (3LSE)	1 week	-2.0%
	3x Short Schneider Electric Daily ETP (3SSE)	1 month	-1.2%
		YTD	26.4%
Exchange	London Stock Exchange, Euronext Paris	Price vs 52w high	-5.9%



Consensus forecasts

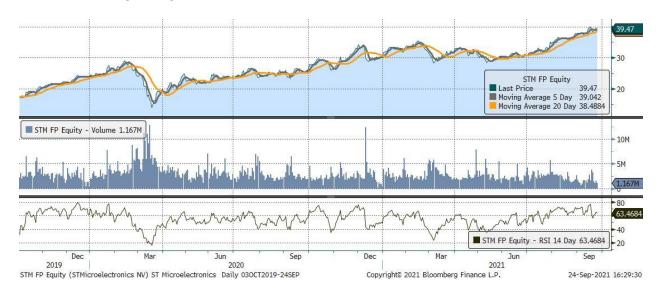
		12/31/2021			12/31/2022	
	Net Income	EPS	DPS	Net Income	EPS	DPS
Current	€3.2 b	€5.85	€2.79	€3.6 b	€6.45	€2.99
1 month change	0.4%	0.1%	-0.5%	0.5%	0.1%	-0.1%

GRANITESHARES Limited GRANITESHARES.COM

40



Company	STMicroelectronics (STM)	STMicroelectro Performano	
Listed ETPs	3x Long STMicroelectronics Daily ETP (3LST)	1 week	1.6%
	3x Short STMicroelectronics Daily ETP (3SST)	1 month	7.5%
		YTD	29.8%
Exchange	London Stock Exchange, Euronext Paris	Price vs 52w high	-2.3%

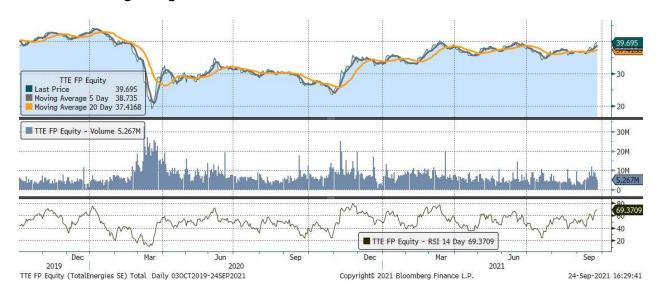


Consensus forecasts

		12/31/2021			12/31/2022	
	Net Income	EPS	DPS	Net Income	EPS	DPS
Current	\$1.8 b	\$1.92	\$0.22	\$2.0 b	\$2.20	\$0.26
1 month change	0.9%	0.7%	0.0%	1.3%	1.3%	-0.8%



Company	TotalEnergies (TTE)	TotalEnergies Performance	
Listed ETPs	3x Long TotalEnergies Daily ETP (3LTE)	1 week	5.2%
	3x Short TotalEnergies Daily ETP (3STE)	1 month	8.2%
		YTD	19.6%
Exchange	London Stock Exchange, Euronext Paris	Price vs 52w high	-5.9%

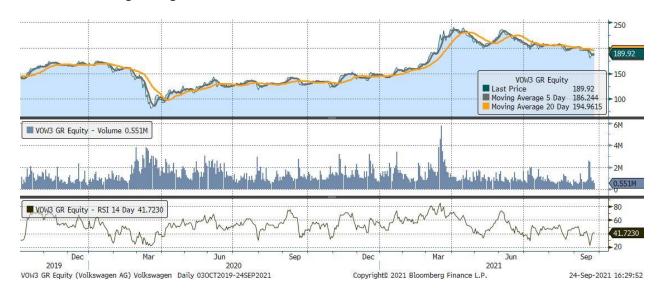


Consensus forecasts

	12/31/2021			12/31/2022		
	Net Income	EPS	DPS	Net Income	EPS	DPS
Current	€12.0 b	€4.55	€2.61	€12.8 b	€4.86	€2.63
1 month change	1.6%	1.6%	0.3%	3.0%	3.7%	0.4%



Company	Volkswagen (VOW3)	Volkswagen Perfo	ormance
Listed ETPs	3x Long Volkswagen Daily ETP (3LVW)	1 week	-0.2%
	3x Short Volkswagen Daily ETP (3SVW)	1 month	-5.2%
		YTD	27.2%
Exchange	London Stock Exchange, Euronext Paris	Price vs 52w high	-24.9%



		12/31/2021			12/31/2022	
	Net Income	EPS	DPS	Net Income	EPS	DPS
Current	€14.1 b	€28.49	€7.03	€16.1 b	€32.27	€8.65
1 month change	-2.6%	-1.8%	-3.2%	-1.1%	-0.5%	0.5%



Feedback and comments: please send to graniteshares@europe.com

General Notice

For professional clients and eligible counterparties only.

GraniteShares Limited ("GraniteShares") is an appointed representative of Duff & Phelps Securities Ltd. which is authorised and regulated by the Financial Conduct Authority.

This document does not constitute an offer to buy or sell or a solicitation of an offer to buy securities in any company. This document is not intended for distribution to any other country where such distribution or use would be contrary to local law or regulation. Specifically, this document is not intended for general distribution in the United States or Canada.

Investing in financial markets involves a substantial degree of risk. Nothing described herein is intended to imply that an investment is "safe", "conservative", "risk free" or "risk averse". This document does not consider the specific investment objective, financial situation or particular needs of any potential investor and is intended only for those investors who are capable of understanding the risk of loss of all or a substantial part of their monies. Potential investors in the UK are reminded that they will not benefit from the UK investors compensation scheme.

Nothing contained herein constitutes investment, legal, tax or other advice nor is to be relied upon in making an investment or other decision. No recommendation is made positive or otherwise, regarding individual securities or investments mentioned herein. Any summary list of risk factors does not purport to be a complete enumeration or explanation of the risks involved in an investment in short and leveraged products. Prospective clients must consult with their own legal, tax and financial advisers before deciding to invest.

This document contains the opinions of the author and such opinions are subject to change without notice. The source of data is GraniteShares unless otherwise stated. No guarantee is made to the accuracy of the information provided which has been obtained from sources believed to be reliable. This document and the information contained herein is intended only for the use of persons (or entities they represent) to whom it has been provided.

Risk Factors

An investment in a GraniteShares short and leveraged exchange traded product ("ETP") may not be suitable for all investors. They are intended for investors who wish to take a very short term view on the underlying asset and are not intended as buy and hold investments.

Performance and capital loss: Past performance is not a reliable indicator of future results. The value of an investment may go down as well as up and can result in losses, up to and including a total loss of the amount initially invested.

Generic risks: Investments in ETPs involve numerous risks including, among others, company risks, general market risks, credit risks, foreign exchange risks, interest rate risks, geopolitical risks and liquidity risks.

Specific product risks: The Index is constructed to track the performance of an increased (leveraged) and/or short exposure to the underlying asset. A fall (or rise where short and leveraged exposure) in value of the underlying asset can result in a greater reduction in the level of the Index. The Index is designed to do this on a daily basis only which should not be equated with seeking a leveraged position for periods longer than a day. The ETP's performance over periods longer than one day will not be correlated or symmetrical with the returns of the underlying asset. Potential investors should refer to the section entitled "Risk Factors" and "Economic Overview of the ETP Securities" in the Prospectus relating to the GraniteShares ETPs for further details of these and other risks associated with an investment in short and leveraged ETPs and consult their financial advisers as needed.

Counterparty risk: An investment in a GraniteShares short and leveraged ETP involves counterparty risk. GraniteShares Financial plc has entered into a Swap Agreement with a counterparty, Natixis, that is backed with collateral. Failure of the counterparty to make payments may result in an investment in an ETP suffering a loss.

Index Disclaimer

The Index is created, calculated and published by Solactive AG. No financial instrument is sponsored, promoted, sold or supported in any other manner by Solactive AG nor does Solactive AG offer any express or implicit guarantee or assurance either with regard to the results of using the Index and/or Index trade mark or the Index level at any time or in any other respect.