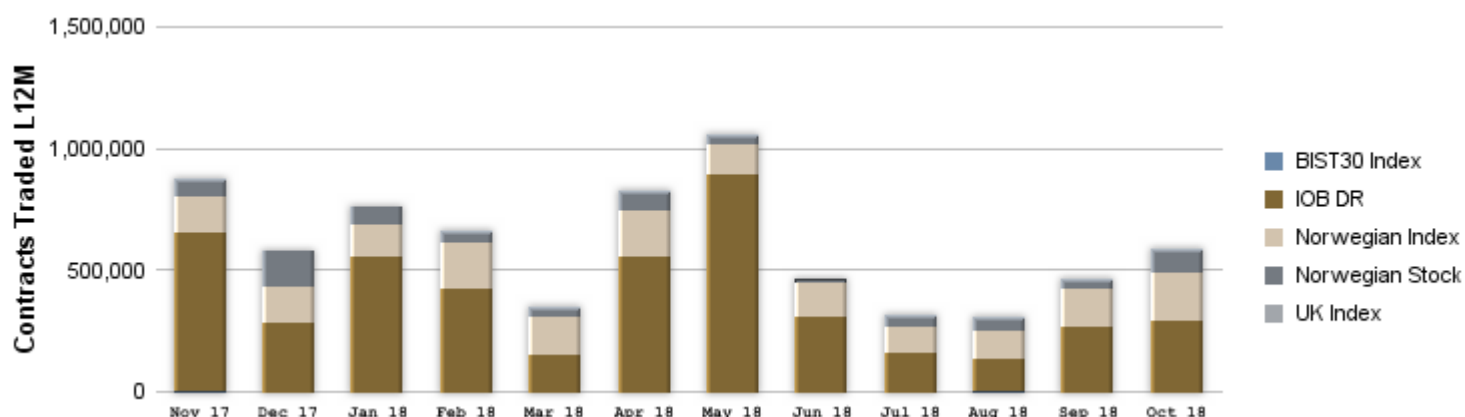


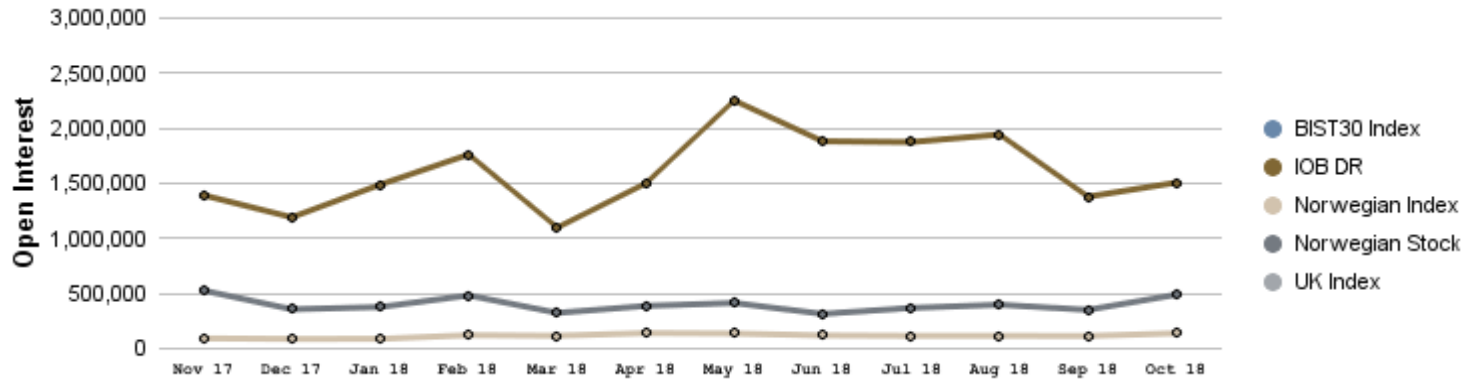
Activity Summary - By Product Category

Product Category	October 2018		2018 YTD		2017 YTD		Open Interest as at 31 Oct 2018
	Volume	Notional (\$m)	Volume	Notional (\$m)	Volume	Notional (\$m)	
IOB DR Futures	104,031 +120%	\$74.6 +2%	745,881 +42%	\$945.4 +63%	524,228	\$579.4	229,090
Norwegian Index Futures	154,861 +18%	\$1,660.1 +15%	1,270,714 +16%	\$12,962.8 +49%	1,099,743	\$8,685.0	47,761
BIST30 Index Futures			40 -9%	\$0.1 -22%	44	\$0.1	
Norwegian Stock Futures					116,010	\$14.2	70,282
Total Futures	258,892 +45%	\$1,734.7 +15%	2,016,635 +16%	\$13,908.3 +50%	1,740,025	\$9,278.7	347,133
Norwegian Stock Options	98,230 +134%	\$168.5 +60%	558,250 -44%	\$1,077.1 -15%	1,002,651	\$1,263.3	419,186
IOB DR Options	182,575 -14%	\$188.6 -46%	2,961,805 +41%	\$4,260.0 +72%	2,106,709	\$2,474.1	1,278,148
Norwegian Index Options	44,151 +84%	\$465.5 +81%	237,257 +10%	\$2,357.5 +43%	215,013	\$1,654.3	90,496
BIST30 Index Options					6	\$0.0	
UK Index Options				\$0.0	167	\$15.5	
Total Options	324,956 +16%	\$822.6 +16%	3,757,312 +13%	\$7,694.5 +42%	3,324,546	\$5,407.2	1,787,830
Total Derivatives	583,848 +27%	\$2,557.3 +15%	5,773,947 +14%	\$21,602.8 +47%	5,064,571	\$14,685.9	2,134,963

All statistics include both on & off book trading. The open interest data for Norwegian products includes both LSEDM & Oslo Børs. Percentages reflect changes compared to prior period.

Volume & Open Interest Evolution: Last 12 Months





Activity Summary - Top 10 LSEDM Instruments by Notional (\$M)

Issuer Name	October 2018				2018 YTD			
	Volume	% Change (MoM)	Notional (\$m)	% Change (MoM)	Volume	% Changes (YoY)	Notional (\$m)	% Changes (YoY)
ROSNEFT OIL CO	92,109	+3,076%	\$65,812,440.64	+3,328%	584,803	+76%	\$361,752,357.64	+88%
YARA INTL	13,560	+19%	\$65,129,388.59	+15%	75,409	+44%	\$353,671,550.52	+67%
NORILSK NICKEL	35,420	+3%	\$60,684,525.00	+4%	574,955	+80%	\$993,810,439.14	+97%
GAZPROM	121,293	+110%	\$60,529,344.80	+146%	1,225,049	+30%	\$583,311,378.28	+39%
PJSC LUKOIL	5,833	-61%	\$41,454,475.00	-59%	200,157	+11%	\$1,312,678,229.16	+40%
STOREBRAND	30,613	+14,374%	\$28,595,103.83	+14,959%	54,069	-50%	\$49,747,405.00	-35%
EQUINOR	5,870	-2%	\$17,057,697.01	+3%	73,211	-51%	\$189,663,700.02	-29%
SUBSEA	13,276	+560%	\$16,425,128.36	+453%	25,923	-30%	\$36,360,432.95	-29%
PJSC TATNEFT	2,000	-32%	\$14,400,000.00	-31%	20,094	+100%	\$136,108,377.00	+100%
OAQ NOVATEK	550	-67%	\$9,225,000.00	-61%	10,023	+8%	\$137,429,500.00	+21%

All statistics include both on & off book trading. 'MoM' stands for Month-on-month and 'YoY' stands for Year-on-year

LSEDM Trading Statistics by Underlying

Underlying Issuer Name	Underlying	Instrument Type	Number of Contracts Traded			Notional Traded (\$)			Open Interest as at 31 Oct 2018
			Oct 18	Sep 18	% Change	Oct 18	Sep 18	% Change	
AKERBP	AKERBP	Options	880	892	-1%	\$3,505,980	\$3,179,548	+10%	5,539
AKER SOLUTIONS	AKSO	Futures							300
AKER SOLUTIONS	AKSO	Options	2,783	168	+1,561%	\$1,926,699	\$129,453	+1,388%	6,030
BAKKAFROST	BAKKA	Options	363	138	+164%	\$2,355,709	\$892,202	+164%	2,424
DNB ASA	DNB	Futures							470
DNB ASA	DNB	Options	3,610	115	+3,039%	\$7,082,786	\$252,823	+2,701%	13,975
DNO INTL	DNO	Futures							5,420
DNO INTL	DNO	Options	1,548	275	+463%	\$241,879	\$60,059	+303%	36,155
EQUINOR	EQNR	Futures							1,290
EQUINOR	EQNR	Options	5,870	5,984	-2%	\$17,057,697	\$16,629,717	+3%	64,520
FRONTLINE	FRO	Futures							850
FRONTLINE	FRO	Options	977	505	+93%	\$611,950	\$303,259	+102%	8,680
GAZPROM	OGZD	Futures	57,096	9,850	+480%	\$28,719,595	\$4,474,890	+542%	144,548
GAZPROM	OGZD	Options	64,197	47,789	+34%	\$31,809,750	\$20,101,240	+58%	449,301
GJENSIDIGE F	GJF	Futures							941
GJENSIDIGE F	GJF	Options	268	38	+613%	\$435,238	\$67,591	+544%	3,945
JSC VTB BANK	VTBR	Options	23,000		+100%	\$2,990,000		+100%	37,500
MAIL.RU GROUP	MAIL	Options							600
MARINE HARVEST	MHG	Futures							4
MARINE HARVEST	MHG	Options	2,374	2,504	-5%	\$5,915,887	\$6,037,707	-2%	10,812
NORDIC SEMICON	NOD	Futures							1,843
NORDIC SEMICON	NOD	Options	851	80	+964%	\$466,301	\$54,395	+757%	27,702

LSEDM Trading Statistics by Underlying

Underlying Issuer Name	Underlying	Instrument Type	Number of Contracts Traded			Notional Traded (\$)			Open Interest as at 31 Oct 2018
			Oct 18	Sep 18	% Change	Oct 18	Sep 18	% Change	
NORILSK NICKEL	MNOD	Futures	5,213	2,590	+101%	\$8,862,625	\$4,200,980	+111%	7,504
NORILSK NICKEL	MNOD	Options	30,207	31,935	-5%	\$51,821,900	\$54,034,050	-4%	127,366
NORSK HYDRO	NHY	Futures							19,470
NORSK HYDRO	NHY	Options	16,206	5,286	+207%	\$8,524,185	\$3,355,400	+154%	87,189
NORWEGIAN AIR	NAS	Futures							2,180
NORWEGIAN AIR	NAS	Options	705	297	+138%	\$1,998,384	\$1,079,751	+85%	7,285
NORWEGIAN FIN	NOFI	Futures							300
NORWEGIAN FIN	NOFI	Options	467	125	+273%	\$543,754	\$168,173	+223%	624
OA0 NOVATEK	NVTK	Options	550	1,661	-67%	\$9,225,000	\$23,566,500	-61%	1,557
OBX INDEX	OBX	Futures	154,861	131,698	+18%	\$1,660,066,456	\$1,438,211,697	+15%	47,761
OBX INDEX	OBX	Options	44,151	23,932	+84%	\$465,540,407	\$257,802,261	+81%	90,496
ORKLA A	ORK	Futures							200
ORKLA A	ORK	Options	233	10,135	-98%	\$207,279	\$9,137,023	-98%	477
PA0 SEVERSTAL	SVST	Options							150
PETROLEUM GEO	PGS	Futures							5,500
PETROLEUM GEO	PGS	Options	1,211	357	+240%	\$491,799	\$167,172	+194%	1,283
PJSC LUKOIL	LKOD	Futures	923	2,295	-60%	\$6,870,075	\$16,187,680	-58%	12,424
PJSC LUKOIL	LKOD	Options	4,910	12,520	-61%	\$34,584,400	\$84,528,100	-59%	65,567
PJSC MAGNIT	MGNT	Futures		1,588			\$2,501,100		1,588
PJSC MAGNIT	MGNT	Options	187	3,451	-95%	\$308,200	\$5,539,200	-94%	5,142
PJSC TATNEFT	ATAD	Futures		1,493			\$10,653,852		568
PJSC TATNEFT	ATAD	Options	2,000	1,432	+40%	\$14,400,000	\$10,309,200	+40%	3,513
RENEWABLE ENER	REC	Futures							18,500

LSEDM Trading Statistics by Underlying

Underlying Issuer Name	Underlying	Instrument Type	Number of Contracts Traded			Notional Traded (\$)			Open Interest as at 31 Oct 2018
			Oct 18	Sep 18	% Change	Oct 18	Sep 18	% Change	
RENEWABLE ENER	REC	Options		250			\$2,832		2,600
ROSNEFT OIL CO	ROSN	Futures	40,090		+100%	\$29,320,941		+100%	29,727
ROSNEFT OIL CO	ROSN	Options	52,019	2,900	+1,694%	\$36,491,500	\$1,920,000	+1,801%	258,562
SAMSUNG ELECTR	SMSN	Options	51		+100%	\$509,400		+100%	1
SBERBANK	SBER	Futures	709	29,547	-98%	\$850,800	\$35,383,501	-98%	32,731
SBERBANK	SBER	Options	5,384	110,694	-95%	\$6,274,200	\$144,505,900	-96%	327,329
SCHIBSTED A	SCHA	Options	248	260	-5%	\$946,436	\$1,028,671	-8%	565
STOREBRAND	STB	Futures							9,250
STOREBRAND	STB	Options	30,613	212	+14,374%	\$28,595,104	\$189,886	+14,959%	48,825
SUBSEA	SUBC	Futures							1,528
SUBSEA	SUBC	Options	13,276	2,013	+560%	\$16,425,128	\$2,971,199	+453%	41,777
SURGUTNEFTEGAZ	SGGD	Options							500
TELENOR ASA	TEL	Futures							706
TELENOR ASA	TEL	Options	1,347	646	+109%	\$2,686,897	\$1,413,300	+90%	14,705
TGS NOPEC GEOP	TGS	Futures							100
TGS NOPEC GEOP	TGS	Options	846	372	+128%	\$3,359,533	\$1,380,821	+143%	6,291
X5 RETAIL	FIVE	Options	70	630	-89%	\$153,500	\$1,535,500	-90%	1,060
YARA INTL	YAR	Futures							1,430
YARA INTL	YAR	Options	13,560	11,404	+19%	\$65,129,389	\$56,866,060	+15%	27,783
Grand Total			583,848	458,057	+27%	\$2,557,306,762	\$2,220,822,692	+15%	2,134,963