

Market Update

Equity

Kyiv-listed stocks rose on Thursday (Nov 19), regaining part of the very heavy losses seen a day earlier. News that Fitch Ratings upgraded Ukraine's sovereign rating to 'CCC' from 'RD' had some positive influence on the investor sentiments. The UX index added 2.2% to close at 685 points. However, not all index components were in the black. CentrEnerg (CEEN) rebounded by 3.7% to UAH 4.40 and UkrNafta (UNAF) recovered 4.2% to close at UAH 185 per share, while Azovstal (AZST) fell another 1.6% to 36 kopecks. Motor Sich (MSICH) picked up 1.3% to UAH 1944. On the currency front, the hryvnia strengthened by 0.4% to bid/ask of 23.80/23.90 UAH/USD on the interbank market after the NBU intervened at 23.80 UAH/USD, selling USD 15mn. London-listed MHP (MHPC) advanced by 5.6% to USD 10.40, breaking out of its long sluggish run, as the company's 3Q15 financial results did not disappoint investors. In contrast, Ferrexpo (FXPO) plummeted 12.4% to a post-2008 low of GBP 28.25 as more unfavorable signals emerged on the iron ore pricing front.

Fixed Income

Newly-issued Ukrainian sovereign bonds suffered their first losing session on Thursday after their opening-week rally, with Ukraine-19s and Ukraine-27s declining by 0.8p.p. and 1.8p.p. to 97.5/98.3 (8.5%/8.3%) and 94.8/95.5 (8.5%/8.4%), respectively. Corporate debt was also generally lower. DTEK-18s fell 1.5p.p. to 51.0/55.0 (46.9%/42.4%) and Metinvest-17s decreased by 0.8p.p. to 61.2/64.0 (40.5%/37.5%).

Volume Leaders	Ticker	Last, UAH	1D ch	Volume, UAH mn	Number of Trades
Centrenerg	CEEN	4.40	3.7%	2.75	117
Motor Sich	MSICH	1944.00	1.3%	0.65	35
Ukrnafta	UNAF	185.00	4.2%	0.61	19

Growth Leaders

Ticker	Last, UAH	1D ch	Volume, UAH mn	Number of Trades	
Ukrnafta	UNAF	185.00	4.2%	0.611	19
Centrenerg	CEEN	4.40	3.7%	2.747	117
Raiffeisen Bank Aval	BAVL	0.07	2.9%	0.564	37

Loss Leaders

Ticker	Last, UAH	1D ch	Volume, UAH mn	Number of Trades	
Azovstal	AZST	0.36	-1.6%	0.475	35
Motor Sich	MSICH	1,944.00	1.3%	0.647	35
Avdyivka Coke	AVDK	1.04	2.1%	0.006	6

Highlights

POLITICS AND ECONOMICS

- Industrial Production Up 7% MoM in October on Seasonal Factors, Still Down 5% YoY

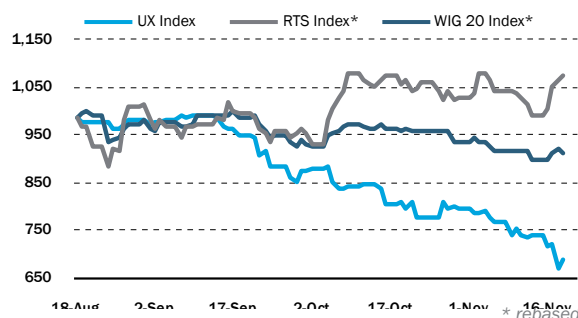
STOCKS IN THE NEWS

- MHP Targets Poultry Export Rise of 32% in 2016; Free Float to Increase by 2.3%

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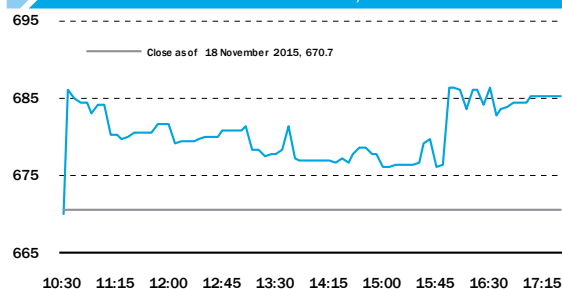
STOCK MARKET PERFORMANCE



MARKET INDEXES

	Last	1D ch	1M ch	YTD
UX	685.3	2.2%	-15.3%	-33.7%
RTS	883.8	0.8%	1.7%	11.8%
WIG20	2009.7	-0.7%	-4.8%	-13.2%
MSCI EM	837.1	1.7%	-3.5%	-12.5%
S&P 500	2081.2	-0.1%	2.3%	1.1%

UX INTRADAY NOVEMBER 19, 2015



FIXED INCOME

	Last	1D ch	1M ch	YTD
EMBI+Global	411.6	-0.6%	-4.2%	1.8%
CDS 5Y UKR	1050.0	0.0%	0.0%	-52.3%
Ukraine-19	8.4%	0.2 p.p.	n/a	n/a
Ukraine-27	8.4%	0.2 p.p.	n/a	n/a
MHP-20	10.6%	0.0 p.p.	-2.0 p.p.	-6.9 p.p.
RAILUA-18	16.8%	-0.3 p.p.	-3.4 p.p.	-16.9 p.p.

CURRENCY

	Last, UAH	1D ch	1M ch	YTD
USD	23.75	-0.2%	9.9%	50.1%
EUR	25.36	0.5%	3.6%	32.5%
RUB	0.37	0.2%	6.2%	34.0%

COMMODITIES

	Last	1D ch	1M ch	YTD
Wheat, USD/t*	188.9	0.0%	-4.2%	-23.2%
Steel, USD/t	275.0	0.0%	-4.3%	-38.9%
Oil, USD/bbl	44.2	0.1%	-10.4%	-31.1%
Gold, USD/oz	1082.2	1.1%	-7.6%	-8.7%

*Ukraine FOB

Source: Bloomberg, Ukrainian Exchange

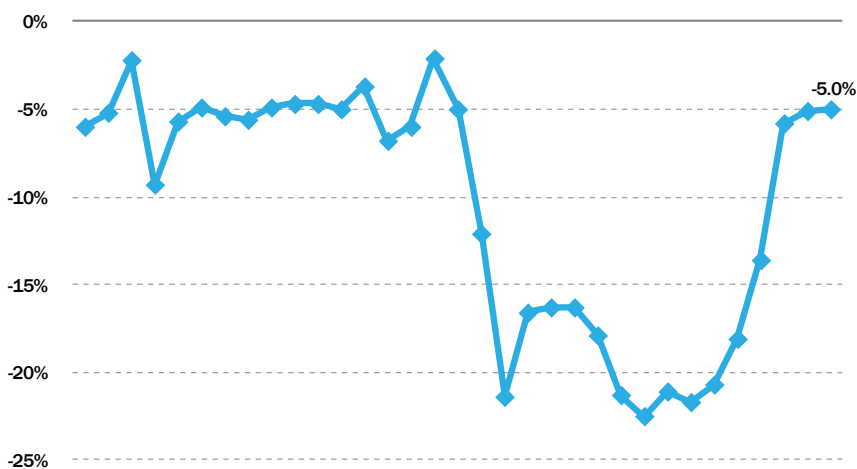
Industrial Production Up 7% MoM in October on Seasonal Factors, Still Down 5% YoY

by Dmitry Churin
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NEWS

Ukraine's industrial production rose by 7.3% MoM in October due to seasonal factors, while in a year-on-year comparison, output remained down by 5.0% (the same as the September YoY figure) according to the latest data published by the State Statistics Committee on Wednesday (Nov 18). The extraction sector's output increased by 1.9% YoY in October while in the manufacturing sector production declined by 7.6% YoY and in the utility sector the drop was 4.9% YoY in the period. For 10M15, the IP index is down by 15.4% YoY compared to a contraction of 8.8% YoY in 10M14.

UKRAINE'S MONTHLY INDUSTRIAL PRODUCTION INDEX, YOY



Source: State Statistics Committee

COMMENTARY

Seasonal factors in October, along with the month's additional day over September, resulted in a 20% MoM output increase in the utility sector. However, in a month-on-month comparison, the extraction and manufacturing sectors were also on the rise, adding output by 2.8% MoM and 6.8% MoM respectively. In the sub-sectors, the situation in food & beverage industry was better than in others, with output growth of 18.6% MoM.

The recovery in industrial production in 2H15, which is occurring due to the lower comparison base from 2014, is in line with expectations. We forecast that the Nov-Dec period will show a further slowing in the industrial year-on-year decline as well as an increase in the month-on-month comparison. A separate important factor for the country's economy is weather conditions, as colder-than-average temperatures could lead to intensified household energy consumption, disrupting the fragile electricity and gas balance. However, conditions in November have thus far been favorable, with above-average temperatures throughout the month.

MHP Targets Poultry Export Rise of 32% in 2016; Free Float to Increase by 2.3%

by Ivan Dzvinka
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MHP (MHPC LI)

Price: USD 10.40 Market Cap: USD 1,099mn

	EV/S	P/E	EV/EBITDA	Div. Yield
2014	1.6	neg	4.1	4.6%
2015E	2.0	neg	5.0	2.3%

NEWS

MHP, Ukraine largest poultry producer and large crop grower, plans to increase its poultry export volume to 185,000 tonnes in 2016 from estimated 140,000 tonnes in 2015, the company's CFO Viktoria Kapelyushna said during a conference call on Thursday (Nov 19). Exports to the EU should increase to 30,000-35,000 tonnes (vs. 20,000 tonnes in 9M15). Total poultry output in FY16 is projected to be "in the region of 600,000 tonnes" (vs. 580,000 tonnes in FY15E). The grain growing segment EBITDA estimate for FY15 has been cut by management to USD 200-250/ha from the previously projected USD 400/ha. The revision was made due to lower than expected crop yields, especially for corn, the group's major crop. EBITDA/ha in 2016 is forecasted at USD 250-300/ha. CapEx will increase to USD 220-240mn in 2016 (vs. USD 114mn in 9M15), with USD 135mn to be spent on the second phase project at Vinnytsia, and USD 40mn as maintenance. Commenting on its upcoming purchase of as-yet-unspecified assets in the EU, Viktoria Kapelyushna said the group considers purchase of poultry cutting and/or processing assets. MHP will spend some USD 40-50mn on poultry cutting facilities. The vision regarding the processing facility is not yet clear. The domestically achieved poultry price rose by 8-9% in Oct-Nov compared to 3Q15, the CFO said. Management conservatively projects EBITDA/kg of poultry at USD 0.55/kg (ex-VAT) in 2016, i.e. largely unchanged from the 3Q15 EBITDA/kg of USD 53 cents. EBITDA for FY15 is foreseen at USD 450mn vs. USD 555mn in FY14.

In a separate news release, MHP said it will acquire the remaining 10% stake in ZernoProduct (it already owns 90%), the company reported on Thursday (Nov 19). For its 10% stake in ZernoProduct, the minority shareholder will receive 830,500 GDRs in MHP. For this deal, MHP will some the GDRs which are held in its treasury following buy-back campaigns in recent years. This will increase the MHPC stock's free float by 2.3% to 36.9mn GDRs.

COMMENTARY

Management's forecasts for 2016 suggest that the company's poultry segment should earn some USD 330mn on the EBITDA level with another USD 95mn to be generated by the grain growing segment. Thus, the cumulative EBITDA in FY16 should be in the range of USD 440-460mn, which is close to our projection of USD 450mn and essentially flat year-on-year. Our projection is based on a rather stable exchange rate (the current rate of 24.0 to be maintained in 2016) as well as some 20% growth in poultry pricing from average level of FY15, which we see as achievable. We reiterate our newly-set target price of USD 12.03 for the MHPC stock.

The mentioned 830,500 MHP GDRs (shares) represent 0.79% of the group's outstanding 105.7 mn GDRs (shares), while the total amount of issued GDRs is 110.8mn. Following the completion of the deal, the amount of GDRs outstanding will be increased to 106.5mn. The free float will be expanded to 36.9mn GDRs, which implies a free float ratio to total shares outstanding of 34.6% vs. 34.1% currently. In a similar way, MHP bought out a 10% stake in another subsidiary (the Urozhay company) by transferring 1.26mn of its GDRs held in its treasury in late 2012. That deal effectively increased the company's free float to 34.1% from 33.3% previously.

EAVEX RECOMMENDATIONS

Name	Ticker	Price, per share	Target price, per share	Upside, %	Rating	Commentary
Agriculture						
Kernel	KER PW	48.0	57.20	19%	HOLD	Flat or rising YoY operating results expected by management in 2016 will not be enough to compensate for lower seed-crushing and grain-trading margins.
MHP	MHPC LI	10.4	12.03	16%	BUY	MHP's new soybean processing plant and expected launch of new breeding facilities in early 2016 bodes well for optimization of its poultry production cost. The group's long-term targets are a 50% expansion in poultry output to 900,000 tonnes by 2019 and a 40% land bank increase to 550,000ha.
Astarta	AST PW	32.5	36.1	11%	BUY	Astarta has made decisive moves toward diversification (it opened a soybean processing plant in early 2014) and cost optimization (a bioenergy complex was launched in 2014). Astarta's exposure to UAH devaluation is largely offset by its UAH cost base, and it has no assets in the Donbass.
IMC	IMC PW	6.7	9.4	40%	BUY	IMC's quality agribusiness model suggests to us that the company's stock is undervalued. IMC's work on debt reduction, its ongoing land bank expansion program, and high standards of corporate governance are all positive factors offsetting the stock's low trading volume.
AvangardCo	AVGR LI	1.5	U/R	--	U/R	A massive loss on the EBITDA level of almost USD 100mn for 1H15 has damaged Avangard's financial reporting credibility.
Ovostar Union	OVO PW	86.0	80.8	-6%	U/R	Ovostar managed to increase its EBITDA by 15% YoY to USD 24mn in 9M15, as a drop in devaluation-driven egg pricing in USD terms was offset by strong growth in output, rising export sales, and high hryvnia egg inflation (+60% YoY in 9M15).
Iron Ore						
Ferrexpo	FXPO LN	29.3	23.0	-21%	SELL	The long slide in benchmark iron ore prices, exacerbated by a reduction in the pellet-to-fines premium, has hammered Ferrexpo's earnings in 2015, and the collapse of a related-party bank in September that resulted in the loss of USD 174mn in deposits provided a fresh setback to the company.
Steel						
Azovstal	AZST	0.36	0.56	53%	SELL	Non-transparent accounting practices overseen by majority owner Metinvest detrimentally affect Azovstal's reported earnings.
Coke						
Avdyivka Coke	AVDK	1.04	U/R	--	Susp.	Avdyivka Coke's facilities are located on the front line of the Donbass separatist-occupied territory, and the plant has been experiencing periodic artillery shelling since August 2014. However, the company continues to operate, albeit at reduced capacity.
Specialized Machinery						
Motor Sich	MSICH	1944	5250	170%	BUY	Motor Sich should see its revenue grow with a 2012-2016E CAGR of 9%, reaching USD 1.2bn. For 2012-2016, we forecast an average EBITDA margin of 35% and a net margin of 28%.
Oil & Gas						
Concern Galnaftogaz	GLNG	0.15	0.24	60%	BUY	Galnaftogaz is pursuing a plan to aggressively expand its filling station network.
Regal Petroleum	RPT	3.8	U/R	--	U/R	Regal has repeatedly missed its production targets since 2012.
JKX Oil & Gas	JKX	28.8	U/R	--	U/R	The launch of extraction at JKX's Russian gas field has lifted output, but the company's higher-margin Ukrainian operations continue to lag behind expectations.
Power Utilities						
DonbasEnerg	DOEN	17.4	U/R	--	U/R	The Donetsk separatist government has nationalized DonbasEnerg's Starobeshevo power plant, which previously accounted for about 70% of the company's installed power-generating capacity.
CenterEnerg	CEEN	4.40	15.00	241%	BUY	CenterEnerg's privatization has been postponed, but the company retains a strong fundamental value due to its large installed electricity generation capacity.
Banks						
Raiffeisen Bank Aval	BAVL	0.072	0.24	233%	BUY	Raiffeisen Aval has a conservative risk policy, and we therefore assume it will manage to weather the current banking crisis in Ukraine and start to generate profits starting from 2016. The EBRD is expected to purchase a stake in the institution.

Source: Eavex Research

PRICES AND QUOTES

Name	Ticker	Today, UAH*	52 high, UAH*	52 low, UAH*	Absolute performance				Performance relative to the UX index			
					1d	1w	1m	ytd	1d	1w	1m	ytd
UX Index	UX	685.31	1158.71	656.99	2.2%	-6.8%	-15.3%	-33.7%	0.0%	0.0%	0.0%	0.0%
Steel												
Alchevsk Steel	ALMK	0.010	0.021	0.010	0.0%	-11.9%	-13.3%	-28.3%	-2.2%	-5.1%	2.0%	5.4%
Azovstal	AZST	0.36	0.89	0.34	-1.6%	-21.9%	-48.0%	-51.1%	-3.8%	-15.1%	-32.7%	-17.5%
Enakievo Steel	ENMZ	15.10	24.88	14.03	-3.8%	-5.1%	-5.6%	-27.9%	-6.0%	1.7%	9.7%	5.8%
Coke												
Avdyivka Coke	AVDK	1.04	2.09	0.86	2.1%	-2.0%	-6.1%	-39.8%	-0.1%	4.8%	9.2%	-6.1%
Yasynivsky Coking	YASK	0.28	0.43	0.06	0.0%	55.6%	115.4%	0.0%	-2.2%	62.4%	130.7%	33.7%
Iron Ore Mining												
Centralny GOK	CGOK	5.00	n/a	n/a	0.0%	-28.6%	-9.1%	-35.8%	-2.2%	-21.8%	6.3%	-2.1%
Ferrexpo	FXPO	29.25	80.00	29.25	-9.3%	-14.0%	-22.0%	-44.8%	-11.5%	-7.2%	-6.7%	-11.1%
Pivnichny GOK	SGOK	4.63	12.30	2.20	0.0%	16.0%	59.7%	-44.7%	-2.2%	22.8%	75.0%	-11.0%
Coal Mining												
Pokrovske Mine	SHCHZ	0.25	n/a	n/a	0.0%	0.0%	0.0%	-46.8%	-2.2%	6.8%	15.3%	-13.1%
Pipe Manufacturing												
Khartsyzk Pipe	HRTR	0.14	0.59	0.12	-26.3%	-26.3%	-39.1%	-63.2%	-28.5%	-19.5%	-23.8%	-29.5%
Railcar Manufacturing												
Kryukiv Wagon	KVBZ	8.99	13.90	7.40	0.0%	-0.9%	-3.3%	-30.0%	-2.2%	5.9%	12.0%	3.6%
Luhanskteplovoz	LTPL	0.77	n/a	n/a	-1.3%	40.0%	22.2%	-28.7%	-3.5%	46.8%	37.6%	5.0%
Specialized Machinery												
Motor Sich	MSICH	1944	2939	1889	1.3%	-2.3%	-3.3%	-21.7%	-0.9%	4.5%	12.1%	12.0%
Turboatom	TATM	4.10	n/a	n/a	0.0%	0.0%	n/a	n/a	-2.2%	6.8%	n/a	n/a
Telecom												
Ukrtelecom	UTLM	0.16	0.21	0.10	0.0%	4.7%	0.0%	3.3%	-2.2%	11.5%	15.3%	37.0%
Oil & Gas												
Regal Petroleum	RPT	3.75	6.50	3.13	0.0%	-3.2%	-5.7%	20.0%	-2.2%	3.6%	9.7%	53.7%
JKX Oil	JKX	28.75	37.38	11.00	0.0%	0.9%	6.5%	139.6%	-2.2%	7.7%	21.8%	173.3%
Ukrnafta	UNAF	185.0	337.6	165.0	4.2%	-8.1%	-15.6%	-9.0%	2.1%	-1.3%	-0.3%	24.7%
Power Utilities												
Centrenergo	CEEN	4.40	8.50	4.20	2.3%	-13.3%	-16.7%	-41.7%	0.1%	-6.5%	-1.3%	-8.0%
Donbasenergo	DOEN	17.37	35.28	15.24	7.2%	5.2%	0.1%	-47.4%	5.0%	12.0%	15.5%	-13.7%
Zakhidenergo	ZAEN	95.0	193.9	71.0	0.0%	0.0%	-20.8%	-35.9%	-2.2%	6.8%	-5.5%	-2.2%
Consumer												
Agroton	AGT	1.08	1.52	0.95	1.9%	-8.5%	-19.4%	-12.2%	-0.3%	-1.7%	-4.1%	21.5%
Astarta	AST	32.50	38.50	14.50	1.6%	-7.1%	6.0%	62.5%	-0.5%	-0.3%	21.4%	96.2%
Avangardo	AVGR	1.50	5.01	0.23	12.4%	0.0%	44.2%	-26.8%	10.2%	6.8%	59.6%	6.8%
Industrial Milk Company	IMC	6.73	7.24	4.38	-0.3%	1.1%	-1.0%	18.7%	-2.5%	7.9%	14.3%	52.4%
Kernel	KER	48.00	55.20	24.07	-4.8%	-5.9%	-12.2%	68.7%	-6.9%	0.9%	3.1%	102.3%
Mriya Agro Holding	MAYA	n/a	1.14	0.05	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
MHPC	MHPC	10.40	12.05	8.24	5.6%	10.1%	8.3%	13.0%	3.4%	16.9%	23.7%	46.7%
Milkiland	MLK	1.86	3.50	0.89	1.6%	-3.6%	2.2%	25.7%	-0.5%	3.2%	17.5%	59.4%
Ovostar Union	OVO	86.00	89.51	68.00	-2.6%	-1.8%	-3.5%	19.4%	-4.8%	5.0%	11.9%	53.1%
Chemicals												
Stirol	STIR	5.90	8.97	3.00	0.0%	39.5%	-1.7%	-14.9%	-2.2%	46.3%	13.7%	18.8%
Banks												
Raiffeisen Bank Aval	BAVL	0.072	0.114	0.069	2.9%	-2.7%	-8.9%	-25.0%	0.7%	4.1%	6.5%	8.7%
UkrSotsbank	USCB	0.094	0.150	0.064	0.0%	4.4%	4.4%	-27.8%	-2.2%	11.2%	19.8%	5.9%

Source: Bloomberg

* companies listed abroad are in traded currency

MAIN FINANCIAL FORECASTS, USD mn

Name	Ticker	Net Sales			EBITDA			EBITDA margin			Net Profit			Net Profit margin		
		2013	2014E	2015E	2013	2014E	2015E	2013	2014E	2015E	2013	2014E	2015E	2013	2014E	2015E
Steel																
Alchevsk Steel	ALMK	1,729	700	280	-62	-83	-100	neg	neg	neg	-214	-1,683	-190	neg	neg	neg
Enakievo Steel	ENMZ	1,507	906	539	-7	6	31	neg	0.6%	5.7%	-61	-33	24	neg	neg	4.4%
Azovstal	AZST	2,562	1,885	1,602	-81	183	126	neg	9.7%	7.8%	-308	77	66	neg	4.1%	4.1%
Coke																
Avdyivka Coke	AVDK	914	509	382	46	-54	-57	5.0%	neg	neg	-6	-75	-82	neg	neg	neg
Yasynivsky Coking	YASK	367	198	159	29	-4	-5	7.8%	neg	neg	-3	-13	-10	neg	neg	neg
Iron Ore Mining																
Centralny GOK	CGOK	679	611	550	312	223	159	46.0%	36.5%	28.8%	194	115	80	28.6%	18.8%	14.6%
Pivnichny GOK	SGOK	1,630	1,467	1,320	914	649	463	56.1%	44.2%	35.1%	548	324	226	33.7%	22.1%	17.2%
Ferrexpo	FXPO	1,581	1,388	971	506	496	256	32.0%	35.8%	26.3%	264	184	126	16.7%	13.2%	13.0%
Pipe Manufacturing																
Khartsyzk Pipe	HRTR	310	193	92	31	43	18	10.1%	22.6%	19.3%	5	23	2	1.5%	11.7%	2.0%
Railcar Manufacturing																
Luhanskeplovovoz	LTPL	329	127	n/a	36	-2	n/a	10.8%	neg	n/a	19	-16	n/a	5.9%	neg	n/a
Kryukiv Wagon	KVBZ	462	179	41	50	-17	-4	10.9%	neg	neg	42	-22	-9	9.0%	neg	neg
Specialized Machinery																
Turboatom	TATM	214	164	114	90	73	36	42.1%	44.6%	32.0%	72	53	23	33.5%	32.4%	20.0%
Motor Sich	MSICH	1,053	879	636	384	342	218	36.5%	38.9%	34.3%	162	129	92	15.4%	14.7%	14.5%
Telecom																
Ukrtelecom	UTLM	796	412	251	-199	85	72	neg	20.6%	28.5%	-279	18	9	neg	4.4%	3.6%
Oil & Gas																
Ukrnafta	UNAF	2,589	2,324	1,336	286	380	521	11.1%	16.4%	39.0%	23	105	253	0.9%	4.5%	19.0%
Regal Petroleum	RPT	37	35	22	-146	15	10	neg	44.5%	45.5%	-127	6	-1	neg	16.6%	neg
JKX Oil	JKX	181	146	150	66	69	70	36.7%	46.9%	46.7%	7	-80	5	3.6%	neg	3.3%
Electric Utilities																
Centrenergo	CEEN	915	630	323	94	26	-12	10.3%	4.1%	neg	60	6	-28	6.5%	0.9%	neg
Donbasenergo	DOEN	656	458	190	72	20	-12	11.0%	4.4%	neg	65	8	-16	9.9%	1.8%	neg
Consumer																
MHP	MHPC	1,496	1,379	1,131	391	555	455	26.1%	40.2%	40.2%	162	-412	-81	10.8%	neg	neg
Kernel	KER	2,797	2,393	2,330	291	223	397	10.4%	9.3%	17.0%	105	-107	101	3.8%	neg	4.3%
Astarta	AST	491	422	347	91	143	98	15.5%	28.3%	23.5%	34	-82	-12	5.8%	neg	neg
Avangardco	AVGR	661	420	361	301	129	94	45.6%	30.9%	26.1%	238	-27	-13	36.0%	neg	neg
Ovostar	OVO	81	75	79	36	29	25	43.7%	38.9%	31.6%	31	26	24	38.0%	34.5%	30.7%
Banks																
		Total Assets			Total Equity			Total Income			Net Profit			Return on Equity		
Raiffeisen Bank Aval	BAVL	5,333	2,869	2,166	888	390	295	723	327	217	90	-87	-115	10.1%	-22.2%	-39.1%
Ukrsotsbank	USCB	5,283	2,730	2,095	1,064	518	362	145	163	145	1	-42	-14	0.1%	-8.0%	-3.9%

Source: Eavex Research

MAIN TRADING MULTIPLES

Ticker	MCap USD mn	Free Float % USD mn	EV USD mn	P/E			EV/EBITDA			EV/Sales			EV/Output			Units		
				2013	2014E	2015E	2013	2014E	2015E	2013	2014E	2015E	2013	2014E	2015E			
Steel																		
Alchevsk Steel	ALMK	11	3.9%	0	2,625	neg	neg	neg	neg	neg	neg	1.5	3.7	9.4	678	633	614	\$/tonne
Yenakievo Steel	ENMZ	7	8.8%	1	5	neg	neg	0.3	neg	0.8	0.2	0.0	0.0	0.0	2	2	2	\$/tonne
Azovstal	AZST	64	3.0%	2	58	neg	0.8	1.0	neg	0.3	0.5	0.0	0.0	0.0	13	13	13	\$/tonne
Coke																		
Avdyivka Coke	AVDK	9	6.8%	1	-31	neg	neg	neg	-0.7	neg	neg	0.0	-0.1	-0.1	-7	-8	-8	\$/tonne
Yasynivsky Coke	YASK	3	9.0%	0	4	neg	neg	neg	0.1	neg	neg	0.0	0.0	0.0	0.1	neg	neg	\$/tonne
Iron Ore Mining																		
Centralny GOK	CGOK	247	0.3%	1	245	1.3	2.2	3.1	0.8	1.1	1.5	0.4	0.4	0.4				
Pivnichny GOK	SGOK	449	0.4%	2	443	0.8	1.4	2.0	0.5	0.7	1.0	0.3	0.3	0.3				
Ferrexpo	FXPO	266	24.0%	64	1,283	1.0	1.4	2.1	2.5	2.6	5.0	0.8	0.9	1.3				
Pipe Manufacturing																		
Khartsyzk Pipe	HRTR	15	2.0%	0	61	3.3	0.7	8.3	2.0	1.4	3.4	0.2	0.3	0.7	97	161	153	\$/tonne
Railcar Manufacturing																		
LuganskTeplovoz	LTPL	7	24.0%	2	44	0.4	neg	n/a	1.2	neg	n/a	0.1	0.3	n/a				
Krukiv Wagon	KVBZ	43	5.0%	2	37	1.0	neg	neg	0.7	neg	neg	0.1	0.2	0.9				
Specialized Machinery																		
Turboatom	TATM	62	5.8%	4	32	0.9	1.2	2.7	0.4	0.4	0.9	0.1	0.2	0.3				
Motor Sich	MSICH	170	24.0%	41	175	1.1	1.3	1.8	0.5	0.5	0.8	0.2	0.2	0.3				
Telecom																		
Ukrtelecom	UTLM	124	7.2%	9	214	neg	6.8	13.6	neg	2.5	3.0	0.3	0.5	0.9				
Oil & Gas																		
Ukrnafta	UNAF	423	3.0%	13	416	18.1	4.0	1.7	1.5	1.1	0.8	0.2	0.2	0.3	n/a	n/a	n/a	\$/boe
Regal Petroleum	RPT	19	21.6%	4	-6	neg	3.2	neg	neg	-0.4	-0.6	-0.2	-0.2	-0.3	n/a	n/a	n/a	\$/boe
JKX Oil & Gas	JKX	77	50.4%	39	185	11.8	neg	15.3	2.8	2.7	2.6	1.0	1.3	1.2	34	25	25	\$/boe
Electric Utilities																		
CentrEnerg	CEEN	68	21.7%	15	51	1.1	11.6	neg	0.5	2.0	neg	0.1	0.1	0.2	3	4	3	\$/MWh
DonbasEnerg	DOEN	17	14.2%	2	33	0.3	2.1	neg	0.5	1.7	neg	0.1	0.1	0.2	4	4	4	\$/MWh
Consumer																		
MHP	MHPC	1,099	34.1%	375	2,262	6.8	neg	neg	5.8	4.1	5.0	1.5	1.6	2.0				
Kernel	KER	1,027	61.8%	634	1,366	9.8	neg	10.2	4.7	6.1	3.4	0.5	0.6	0.6				
Astarta	AST	218	37.0%	81	421	6.4	neg	neg	4.6	2.9	4.3	0.9	1.0	1.2				
Avangardco	AVGR	96	22.5%	22	384	0.4	neg	neg	1.3	3.0	4.1	0.6	0.9	1.1	87	66	62	\$/mneqgs
Ovostar	OVO	139	25.0%	35	146	4.5	5.4	5.7	4.1	5.0	5.8	1.8	1.9	1.8	n/a	n/a	n/a	
Banks																		
						P/E			P/Book			P/Assets						
Raiffeisen Bank Aval	BAVL	91	3.5%	3		1.0	neg	neg	0.1	0.2	0.3	0.02	0.03	0.04				
Ukrsotsbank	USCB	306	0.2%	1		>30	>30	>30	0.3	0.6	0.8	0.07	0.14	0.18				

Source: Eavex Research

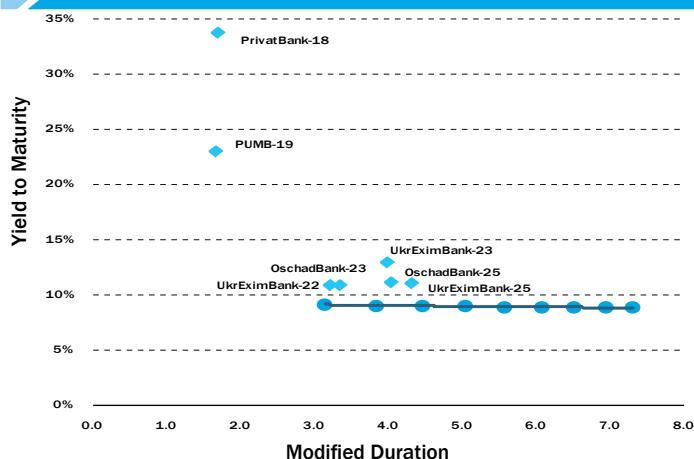
UKRAINIAN EUROBONDS

Issue	Price (Bid)	Price (Ask)	YTM (Bid)	YTM (Ask)	Price chg. (YTD)	Modified Duration	Coupon	Coupon Period	Maturity Date	Volume USD mn	Ratings ¹
Sovereign Eurobonds											
Ukraine, 2019	97.5	98.3	8.5%	8.3%	n/a	3.1	7.75%	S/A	1 Sept 2019	1,155	//
Ukraine, 2020	96.4	97.4	8.7%	8.4%	n/a	3.8	7.75%	S/A	1 Sept 2020	1,531	//
Ukraine, 2021	96.3	97.0	8.6%	8.4%	n/a	4.5	7.75%	S/A	1 Sept 2021	1,378	//
Ukraine, 2022	96.0	96.8	8.5%	8.4%	n/a	5.1	7.75%	S/A	1 Sept 2022	1,355	//
Ukraine, 2023	95.8	96.5	8.5%	8.4%	n/a	5.6	7.75%	S/A	1 Sept 2023	1,330	//
Ukraine, 2024	95.5	96.3	8.5%	8.4%	n/a	6.1	7.75%	S/A	1 Sept 2024	1,315	//
Ukraine, 2025	95.3	96.0	8.5%	8.4%	n/a	6.6	7.75%	S/A	1 Sept 2025	1,306	//
Ukraine, 2026	95.0	95.8	8.5%	8.4%	n/a	7.0	7.75%	S/A	1 Sept 2026	1,295	//
Ukraine, 2027	94.8	95.5	8.5%	8.4%	n/a	7.4	7.75%	S/A	1 Sept 2027	1,286	//
Ukraine, GDP-linked	50.5	51.5	n/a	n/a	n/a	n/a	0.00%	S/A	31 May 2040	2,916	//
Corporate Eurobonds											
Agroton, 2019	10.0	13.0	120.9%	99.6%	-66.0%	1.4	8.00%	S/A	14 Jul 2019	50	//RD
MHP, 2020	91.4	92.6	10.8%	10.4%	33.4%	3.5	8.25%	S/A	2 Apr 2020	750	/ccc-/ccc
Avangardco, 2018	43.0	57.0	44.6%	32.5%	-18.7%	2.4	10.00%	S/A	29 Oct 2018	206	//WD
UkrLandFarming, 2018	52.0	55.0	46.5%	43.2%	18.9%	1.6	10.88%	S/A	26 Mar 2018	500	/CC/WD
Mriya, 2016	15.0	15.0	n/a	n/a	36.4%	0.1	10.95%	S/A	30 Mar 2016	72	/SD/RD
Mriya, 2018	n/a	n/a	n/a	n/a	n/a	1.4	9.45%	S/A	19 Apr 2018	400	/SD/RD
DTEK, 2018	51.0	55.0	46.9%	42.4%	-32.0%	1.7	10.375%	S/A	28 Mar 2018	160	Ca//C
DTEK, 2018	47.0	50.0	47.5%	43.9%	9.0%	1.7	7.88%	S/A	4 Apr 2018	750	Ca//C
Metinvest, 2016	68.2	70.7	n/a	n/a	-12.1%	0.1	10.25%	S/A	31 Jan 2016	85	Caa3//C
Metinvest, 2017	61.2	64.0	40.5%	37.5%	-10.6%	0.8	10.50%	S/A	28 Nov 2017	290	Caa3//C
Metinvest, 2018	60.0	62.6	36.5%	34.0%	10.4%	1.7	8.75%	S/A	14 Feb 2018	750	Caa3//C
Ferrexpo, 2019	65.6	68.4	26.4%	24.7%	-14.2%	2.5	10.375%	S/A	07 Apr 2019	186	Caa3//C
Ferrexpo, 2019	60.0	62.6	36.5%	34.0%	-21.4%	1.7	10.375%	S/A	07 Apr 2019	161	Caa3//C
RailUA, 2018	85.0	86.1	17.2%	16.5%	61.2%	2.1	9.50%	S/A	21 May 2018	500	/CC/C
Interepipe, 2017	36.0	38.5	99.8%	92.7%	-32.3%	1.0	10.25%	S/A	2 Aug 2017	200	//
JKX Oil&Gas, 2018	68.0	71.3	35.0%	32.3%	19.6%	1.0	8.00%	S/A	19 Feb 2018	40	
Bank Eurobonds											
Fin&Credit Bank, 2019	8.9	11.8	138.6%	116.7%	-87.6%	1.4	9.25%	S/A	25 Jan 2019	100	//
PUMB, 2018	72.9	75.2	23.5%	22.3%	5.0%	1.7	11.00%	Q	31 Dec 2018	275	WR//NR
Nadra Bank, 2018	6.0	10.8	n/a	n/a	-33.0%	0.1	6.25%	A	31 Jul 2018	60	//
PrivatBank, 2015	70.7	75.0	200.3%	163.5%	16.2%	n/a	9.38%	S/A	23 Sept 2015	200	Cau//CC
PrivatBank, 2016	60.6	63.8	308.7%	271.3%	22.1%	0.1	8.75%	S/A	9 Feb 2016	150	Cau//CC
PrivatBank, 2018	66.0	68.0	33.4%	31.7%	13.6%	1.7	10.88%	S/A	28 Feb 2018	175	Cau//CC
UkrEximBank, 2022	94.4	95.5	10.8%	10.6%	22.5%	3.3	9.625%	S/A	27 Apr 2022	750	WR//C
UkrEximBank, 2023	74.2	76.9	13.3%	12.6%	51.1%	n/a	7.51%	S/A	9 Feb 2023	125	Ca//C
UkrEximBank, 2025	93.4	94.4	10.9%	10.7%	56.5%	4.3	9.75%	S/A	22 Jun 2025	600	Ca//C
VAB Bank, 2019	n/a	n/a	n/a	n/a	n/a	n/a	9.00%	Q	14 Jun 2019	88	//WD
Oschadbank, 2023	93.6	94.7	10.7%	10.4%	44.8%	3.2	8.25%	S/A	10 Mar 2023	700	Ca//CC
Oschadbank, 2025	92.6	93.7	10.9%	10.7%	63.4%	4.1	8.88%	S/A	20 Mar 2025	500	Ca//CC
Municipal Eurobonds											
City of Kyiv, 2015	77.4	79.6	n/a	n/a	n/a	n/a	8.00%	S/A	6 Nov 2015	250	Ca//CC/CC
City of Kyiv, 2016	77.0	79.0	n/a	n/a	9.8%	n/a	9.375%	S/A	11 Jul 2016	300	Ca//CC/CC

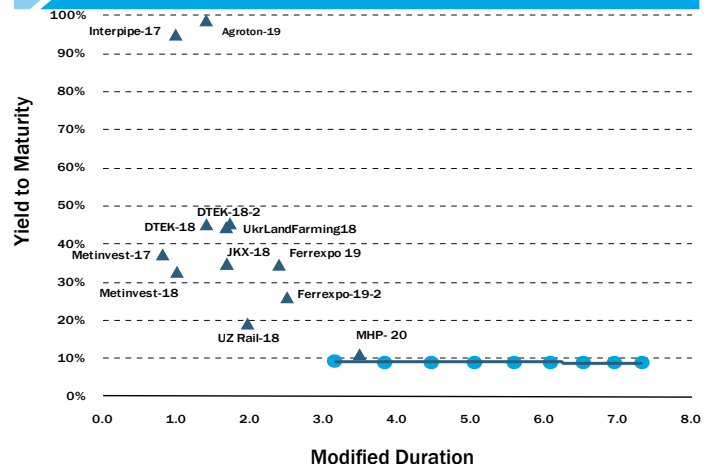
¹ Moody's/S&P/Fitch; * EUR

Source: Bloomberg, Cbonds, Eavex Research

SOVEREIGNS vs. BANKING EUROBONDS



SOVEREIGNS vs. CORPORATE and MUNICIPAL EUROBONDS



UKRAINIAN DOMESTIC BONDS

Issue	Price (Bid)	Price (Ask)	YTM (Bid)	YTM (Ask)	Modified Duration	Coupon	Coupon Period	Maturity Date	Volume mn UAH
UAH denominated Bonds									
UA4000142665			23%	20%	n/a	14.30%	S/A	24 May 2017	n/a
VAT Bonds									
UA4000185151			23%	21%	1.9	9.50%	S/A	8 Jul 2019	3,577
UA4000185557			23%	21%	1.9	9.50%	S/A	22 Jul 2019	2,171
UA4000186159			23%	21%	1.9	9.50%	S/A	20 Aug 2019	955

Source: Bloomberg, Cbonds, Eavex Research

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