

**Stock Market Update**

**Equity**

Kyiv-listed stocks continued to move in slow motion last week, with quotes seeing only marginal gains despite generally positive domestic macroeconomic statistics and bullish external sentiments. UkrStat reported that retail sales were up by 4.2% YoY in October while the construction sector demonstrated growth of 13% YoY.

In the Ukrainian reform agenda news, the government replaced the supervisory board of the country's state-owned energy giant NaftoGaz. The move was welcomed by the European Bank for Reconstruction and Development (EBRD), which is one of the key financial backers of NaftoGaz. The EBRD provided a three-year USD 300mn revolving loan facility to help the company finance its natgas import purchases. The new supervisory board includes independent professionals from the UK, US, Canada and France, who will have their hands full trying to increase the company's transparency.

The UX index slipped 0.3% to close at 1279 points. Electricity blue chip CentrEnergO (CEEN) gained 1.2% to UAH 11.40 after news that a fresh delivery of imported steam coal for the company's power plants has arrived at port. CentrEnergO signed a contract with XCOAL Energy & Resources (the US) to supply about 700,000 tonnes of anthracite coal through the end of 2017. UkrNafta (UNAF) was unchanged at UAH 143 per share.

In London trading, Ferrexpo (FXPO) rebounded by 6.7% to GBp 263 after a 2-week losing streak. MHP (MHPC) edged up by 0.9% to USD 11.25 after the company unveiled plans to buy more poultry processing facilities in the EU as a step toward increasing poultry exports and reducing its dependence on the domestic market.

On the Warsaw Stock Exchange, Kernel (KER) moved down by 1.1% to PLN 48.40 ahead of the company's July-September quarterly financial report published this morning (Nov 27).

The hryvnia had a difficult week, falling 1.6% against the dollar to 26.90 UAH/USD. However, the drop could be just a consequence of a lower-than-usual flow of export receipts this week amid the holiday period in the US.

**Highlights**

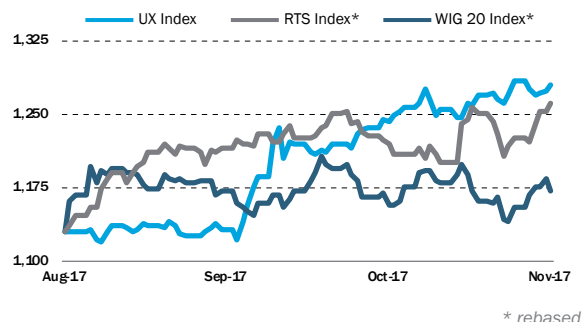
**POLITICS AND ECONOMICS**

- > Plotnitsky Ousted from Leadership of Lugansk Separatist Republic
- > Industrial Output Edges Up 0.4% YoY in October on Chemical Sector Recovery

**STOCKS IN THE NEWS**

- > UkrNafta Seeks to Extend 27 Production Licenses Expiring in 2018

**STOCK MARKET PERFORMANCE**

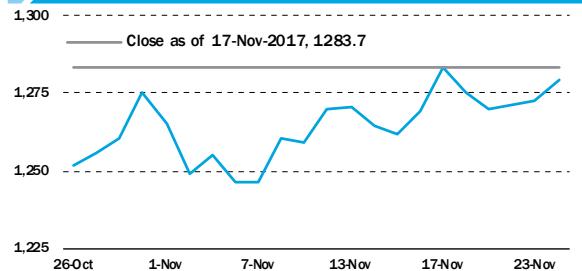


\* rebased

**MARKET INDEXES**

	Last	1W ch	1M ch	YTD
UX	1279.3	-0.3%	3.0%	60.7%
RTS	1166.1	3.0%	3.5%	1.2%
WIG20	2479.3	1.4%	1.3%	27.3%
MSCI EM	1154.3	1.6%	3.7%	33.9%
S&P 500	2602.4	0.9%	1.3%	16.2%

**UX 1M PERFORMANCE**



**FIXED INCOME**

	Last	1W ch	1M ch	YTD
EMBI+Global	319	-0.7%	4.7%	-12.8%
NBU Key Rate	13.5%	0.0 p.p.	1.0 p.p.	-0.5 p.p.
Ukraine-19	4.6%	-1.8 p.p.	-1.9 p.p.	-2.8 p.p.
Ukraine-27	7.3%	-0.1 p.p.	-0.1 p.p.	-1.4 p.p.
MHP-20	4.4%	0.0 p.p.	-0.2 p.p.	-5.1 p.p.
UZ Rail-21	6.3%	-0.2 p.p.	-0.2 p.p.	-5.4 p.p.

**CURRENCY**

	Last, UAH	1W ch	1M ch	YTD
USD	26.91	1.6%	0.9%	-1.4%
EUR	32.11	2.8%	2.3%	13.5%
RUB	0.46	2.6%	-0.5%	4.6%

**COMMODITIES**

	Last	1W ch	1M ch	YTD
Wheat, USD/t*	180.0	0.0%	-0.3%	4.0%
Steel, USD/t	530.0	0.0%	-4.1%	7.1%
Oil, USD/bbl	63.9	1.8%	9.8%	12.4%
Gold, USD/oz	1288.8	-0.4%	0.9%	11.8%

\*Ukraine FOB

Source: Bloomberg, Ukrainian Exchange

## Plotnitsky Ousted from Leadership of Lugansk Separatist Republic

by Will Ritter  
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### NEWS

Igor Plotnitsky, the president of the pro-Russian separatist Lugansk People's Republic (LNR) in Eastern Ukraine since its inception in 2014, was forced from power last week when armed units loyal to a rival in the local interior ministry took over the streets of Lugansk and key government offices.

Plotnitsky fled to Moscow and officially resigned on Saturday (Nov 25), citing health reasons. No major violence was reported. The units were said to have received the backing of the neighboring Donetsk People's Republic (DNR).

The newly-installed leader of the LNR is its former defense minister Leonid Pasechnik, who pledged over the weekend to remain committed to the Minsk peace agreement of early 2015 that froze the contact line and has slowed, though not completely halted, fighting between Ukrainian and separatist/Russian military forces.

### COMMENTARY

We agree with Ukrainian Foreign Minister Pavlo Klimkin, who said that the infighting in Lugansk represents a conflict between shadowy power groups in Russia who are the "curators" of different factions among the separatists. Overall, Plotnitsky was somewhat less belligerent toward Kyiv in his public statements than his counterpart in Donetsk Alexander Zaxarchenko; there have been previous rumors that Zaxarchenko (and some of his Russian backers) wanted to bring Lugansk under his own control. However, we believe that it ultimately matters little for Ukraine which local warlord is in charge of the separatist republics, and that the main point is to prevent the region from being used by the Kremlin as an instrument to spread instability to the rest of Ukraine. Particularly critical is preventing any settlement that would allow Donetsk and Lugansk to resume sending members of Parliament to Kyiv, which would catapult national politics backward to the pre-EuroMaidan era, when pro-Russian forces had the political power to block Ukraine's European integration drive. Before the next election, Kyiv needs to decide what to do about the 27 MP mandates in Parliament which are sitting vacant due to the Donbass conflict and the Crimea annexation. De facto, this has reduced the chamber to a 423-seat body, but 226 votes (based on the majority of a 450-seat chamber) are still required to pass all legislation, which makes it that much more difficult to obtain approval for key reform bills. The most obvious solutions are 1) reducing the majority threshold to 212 votes, or 2) re-distributing the 27 seats among the rest of Ukraine based on the latest population census, but it is far from clear that either of these steps will be taken.

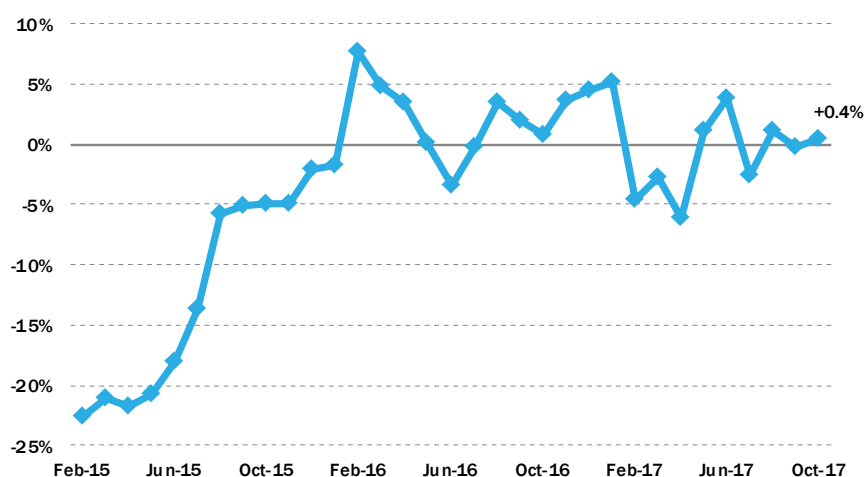
**Industrial Output Edges Up 0.4% YoY in October on Chemical Sector Recovery**

by Dmitry Churin  
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**NEWS**

Ukraine's official industrial production index edged up by 0.4% YoY in October after a 0.3% decline reported for September, according to data from the State Statistics Committee released on Nov 22. The IP index nominally rose by 6.9% on a month-on-month basis for October, but the seasonally adjusted measure (which corrects for October's additional day and other factors) was reported at -0.1% MoM. For January-October 2017, industrial production has posted a 0.2% YoY decline.

**UKRAINE'S MONTHLY INDUSTRIAL PRODUCTION INDEX, YOY**



Source: State Statistics Committee

**COMMENTARY**

The flat overall performance of Ukrainian industry this year reflects the elimination of all official trade contacts with the Donbass occupied territories, which had continued to be counted in national statistics up until March 2017. On the positive side, we are pleased to see that the Ukrainian manufacturing sector is continuing its sustainable recovery after the hard times of 2014-2015. The manufacturing output index demonstrated seasonally unadjusted growth of 8.1% MoM and 5.7% YoY in October, bringing the overall increase in output to 3.8% YoY in 10M17, maintaining the pace of growth of around 4% seen in full-year 2016. In particular sub-sectors, the chemicals industry had a 38.9% YoY increase in output in October due to a low comparison base of the previous year. Meanwhile, the machinery and steel sector output indexes rose by 3.8% YoY and 3.3% YoY respectively in October.

In other macroeconomic data, UkrStat reported that its construction index rose 13.1% YoY during October, with growth at an impressive 23.4% YoY for 10M17, mainly due to broad infrastructure maintenance in the country this year. In agro sector statistics, UkrStat said that the agro output index declined by 2.3% YoY in 10M17 on a generally lower nationwide harvest yield this year. This harvest drop in 2017 was widely expected following several very strong harvest years.

## UkrNafta Seeks to Extend 27 Production Licenses Expiring in 2018

by Dmitry Churin  
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### UKRNAFTA (UNAF UK)

Price: UAH 143 Market Cap: USD 288mn

	P/B	EV/S	P/E	EV/EBITDA	Div. Yield
2016	8.5	0.3	neg	2.4	n/a
2017E	1.7	0.3	3.9	1.8	n/a

### NEWS

UkrNafta, Ukraine's largest oil producer, said last week that it has filed applications with the State Geological Service (SGS) to extend 14 production licenses for its existing oil&gas fields. The company is planning to submit applications to extend 13 additional licenses shortly.

The government agency had repeatedly refused to extend the licenses, citing UkrNafta's refusal to pay its production taxes accrued in 2014-15. However, UkrNafta has the benefit of a ruling from Ukraine's District Court that entered in force in January of this year stating that the existence of the tax debt is not a legal justification to deny the extension of the licenses.

In September, UkrNafta received a 20-year extension from the government on 9 production licenses that had expired in 2017 after several months of tough negotiations.

### COMMENTARY

We believe that in case UkrNafta manages to extend its 27 licenses expiring in 2018, the company's share price should see some upward movement after sitting virtually unchanged at UAH 143 per share for the last two months. When UkrNafta secured prolongation of 9 licenses back in September, the UNAF stock advanced by about 15%.

The location of the 27 fields where the licenses expire next year are the following:

- 7 are located in Ivano-Frankivsk province (Western Ukraine);
- 7 in Chernihiv province (North-Central);
- 5 in Sumy province (North-Central);
- 5 in Poltava province (East-Central);
- 3 in Lviv province (Western).

The annual production at these fields totals approximately 710,000 tonnes of oil (5.2mn barrels) and 360mn cubic meters of natural gas. These fields account for 45% of UkrNafta's total annual oil output and 25% of its gas extraction.

The Kyiv-listed UNAF stock currently remains at UAH 143 per share. The issue has risen by 38% since the start of the year in hryvnia terms.

## EAVEX RECOMMENDATIONS

Name	Ticker	Price, per share	Target price, per share	Upside, %	Rating	Commentary
<b>Agriculture</b>						
Kernel	KER PW	48.5	82.0	69%	BUY	With some 95% of its revenue linked to major foreign currencies, hryvnia devaluation is positive for Kernel, and recent changes in Ukraine's tax regime should also benefit the group. With on-demand borrowing access, Kernel is well placed to further consolidate its position in the oilseed crushing industry.
MHP	MHPC LI	11.3	14.0	24%	BUY	MHP could start process of deleveraging which in turn would boost the company's MCap. Also the company has a declared strategy to expand its presence on the MENA and EU markets. MHP continued to increase its export sales, which accounted for 51% of total revenue in 9M16 compared to 45% a year ago.
Astarta	AST PW	50.0	70.0	40%	BUY	The new VAT regime for agro producers will be largely neutral for Astarta, in our view, while recovery of sugar prices bode well for the company's earnings. Astarta is focused on business diversification and cost optimization via improving its energy and operational efficiency.
Agroton	AGT PW	4.89	12.0	145%	BUY	Agroton unveiled a strategy to increase its land bank from 122,000 ha to 200,000 ha by mid-2019 securing additional lease rights and by acquiring companies that control land plots in Luhansk and Kharkiv region.
IMC	IMC PW	12.5	13.0	4%	BUY	The recent changes in Ukraine's tax legislation are positive for IMC, which is focused growing exportable crops; some 95% of the company's revenue is tied to the dollar. Land bank is targeted to expand by 50% over 2015-20. A high standard of corporate governance makes the stock an attractive play in spite of its low liquidity.
AvangardCo	AVGR LI	0.4	0.3	-27%	SELL	Ukraine's new VAT regime for agro producers is negative for Avangard, as its subsidy reimbursements will be reduced. Large room for cost optimization provides a theoretical upside to earnings, but the company's highly volatile financial results have rendered forecasting unreliable.
Ovostar Union	OVO PW	110.3	110.0	0%	HOLD	The company has a strong focus on domestic branded egg sales and successfully expands its export sales to mitigate negative effect from devaluation. Ovostar is in the midst of a long-term expansion that will ultimately see egg output triple over 2012-18E.
<b>Iron Ore</b>						
Ferrexpo	FXPO LN	262.9	--	--	U/R	An impressive reduction in the production and other operating cost led to higher profitability. A separate positive factor was an upward price trend for iron ore and steel on global markets.
<b>Specialized Machinery</b>						
Motor Sich	MSICH	3263	5250	61%	BUY	The reported profit for 1H17 represents UAH 1101 per share, which means the stock is still valued at P/E of barely more than 2.0x. Our base case scenario forecast for Motor Sich's net profit for FY17 is UAH 3.0bn, implying EPS of UAH 1440.
<b>Oil &amp; Gas</b>						
UkrNafta	UNAF	143	270	89%	BUY	UNAF stock has been in a local upward trend since December after Parliament cut the production tax for oil for 2017.
Concern Galnaftogaz	GLNG	0.15	0.24	60%	BUY	Galnaftogaz is pursuing a plan to aggressively expand its filling station network.
Regal Petroleum	RPT LN	6.7	15.0	126%	BUY	Taking into account that Regal acquired PEP's assets for an estimated value of USD 6.8/boe of 2P reserves, we assume that Regal's potential enterprise value could be as much as USD 92mn.
JKX Oil & Gas	JKX LN	13.0	--	--	U/R	The company's balance sheet looks healthy after it successfully restructured its Eurobonds. An overall demand for natural gas in Ukraine remains strong.
<b>Power Utilities</b>						
DonbasEnerg	DOEN	18.7	9.0	-52%	SELL	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	11.40	15.00	32%	BUY	CenterEnerg's privatization has been postponed, but the company retains a strong fundamental value due to its large installed electricity generation capacity.
<b>Banks</b>						
Raiffeisen Bank Aval	BAVL	0.285	0.27	-5%	HOLD	Raiffeisen Aval's 1H17 net profit was at a record high UAH 2.7bn (USD 100mn), implying earnings per share of 4.45 kopecks. We forecast that the bank will post a net profit of UAH 4.50bn in FY17 and will pay a 7.30 kopeck dividend next year.

Source: Eavex Research

PRICES AND QUOTES												
Name	Ticker	Today, UAH*	52 high, UAH*	52 low, UAH*	Absolute performance				Performance relative to the UX index			
					1W	1M	3M	YtD	1W	1M	3M	YtD
UX Index	UX	1279.28	1292.48	706.27	-0.3%	3.0%	13.2%	60.7%	0.0%	0.0%	0.0%	0.0%
<b>Iron Ore Mining</b>												
Ferrexpo	FXPO	263.90	323.20	124.75	6.7%	-4.2%	-9.0%	96.2%	-0.2%	7.1%	-7.1%	35.5%
<b>Railcar Manufacturing</b>												
Kryukiv Wagon	KVBZ	10.20	n/a	n/a	-6.0%	4.7%	25.8%	15.9%	-5.6%	1.8%	12.6%	-44.8%
<b>Specialized Machinery</b>												
Motor Sich	MSICH	3213	3266	934	-0.8%	9.1%	27.6%	72.9%	-0.5%	6.1%	14.3%	12.2%
Turboatom	TATM	12.85	12.99	8.70	0.4%	9.8%	10.1%	37.4%	0.7%	6.9%	-3.1%	-23.3%
<b>Telecom</b>												
Ukrtelecom	UTLM	0.138	n/a	n/a	0.0%	6.0%	2.2%	-16.4%	0.3%	3.0%	-11.0%	-77.1%
<b>Oil &amp; Gas</b>												
Regal Petroleum	RPT	6.65	7.50	2.75	6.4%	0.4%	83.4%	78.0%	-0.1%	6.7%	-2.6%	17.3%
JKX Oil	JKX	12.75	33.50	12.00	2.0%	0.0%	-5.6%	-57.9%	3.6%	2.3%	-3.0%	-118.6%
Ukrnafta	UNAF	143.1	n/a	n/a	-1.0%	-0.9%	13.4%	38.7%	-0.6%	-3.9%	0.2%	-22.1%
<b>Power Utilities</b>												
Centrenergo	CEEN	11.40	12.00	9.70	0.1%	3.0%	4.2%	10.1%	0.5%	0.0%	-9.1%	-50.6%
Donbasenergo	DOEN	18.67	n/a	n/a	0.8%	5.8%	28.6%	77.6%	1.2%	2.8%	15.4%	16.9%
Zakhidenergo	ZAEN	130.70	164.00	55.00	-0.2%	-1.7%	10.2%	109.1%	0.1%	-4.6%	-3.0%	48.4%
<b>Consumer</b>												
Agroton	AGT	4.89	7.70	3.05	-3.2%	23.8%	-21.1%	20.7%	-1.9%	-2.8%	20.8%	-40.0%
Astarta	AST	50.39	72.00	49.06	-0.8%	2.4%	-16.2%	-6.8%	0.2%	-0.4%	-0.6%	-67.5%
Avangardo	AVGR	0.41	1.00	0.35	-18.0%	-8.9%	-18.8%	17.1%	-0.5%	-17.7%	-11.8%	-43.6%
Industrial Milk Company	IMC	12.25	12.40	7.15	3.0%	9.2%	20.9%	52.2%	-0.5%	3.4%	6.2%	-8.6%
Kernel	KER	48.44	80.00	45.51	-1.1%	-2.1%	-18.6%	-24.1%	-1.0%	-0.8%	-5.1%	-84.9%
MHPC	MHPC	11.25	12.05	8.54	0.9%	0.0%	0.9%	28.0%	-0.5%	1.2%	-3.0%	-32.8%
Milkiland	MLK	1.73	2.80	1.46	-6.5%	15.3%	2.4%	-13.5%	-1.6%	-6.1%	12.4%	-74.2%
Ovostar Union	OVO	111.00	128.05	84.00	1.3%	6.6%	0.9%	28.3%	-0.5%	1.7%	3.7%	-32.4%
<b>Banks</b>												
Raiffeisen Bank Aval	BAVL	0.282	n/a	n/a	-2.2%	-3.6%	1.6%	113.4%	-1.9%	-6.6%	-11.6%	52.7%

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		
		2015	2016	2017E	2015	2016	2017E	2015	2016	2017E	2015	2016	2017E	2015	2016	2017E
<b>Iron Ore Mining</b>																
Ferrexpo	FXPO	961	986	1,282	313	375	495	32.6%	38.0%	38.6%	31	189	255	3.3%	19.2%	19.9%
<b>Railcar Manufacturing</b>																
Kryukiv Wagon	KVBZ	41	67	55	-15	1	6	-37.1%	0.9%	11.0%	-19	-4	2	-46.3%	-5.9%	3.3%
<b>Specialized Machinery</b>																
Turboatom	TATM	128	98	99	87	33	35	67.9%	34.0%	35.2%	75	27	28	58.3%	28.0%	27.8%
Motor Sich	MSICH	697	414	426	237	166	153	33.9%	40.1%	35.8%	158	77	110	22.6%	18.6%	25.9%
<b>Oil &amp; Gas</b>																
Ukrnafta	UNAF	1,319	885	1,079	-101	116	151	-7.7%	13.1%	14.0%	-250	-343	74	-18.9%	-38.7%	6.8%
Regal Petroleum	RPT	22	25	27	10	10	15	45.5%	40.4%	55.6%	-1	0	3	na	0.0%	11.1%
JKX Oil	JKX	89	80	82	17	29	18	19.1%	36.3%	22.0%	-82	-20	-12	-92.1%	-25.0%	-14.6%
<b>Electric Utilities</b>																
Centrenergo	CEEN	315	419	492	12	46	69	3.7%	11.1%	14.1%	3	15	51	1.0%	3.6%	10.5%
Donbasenergo	DOEN	190	157	147	8	7	8	4.3%	4.4%	5.8%	-9	-2	1	-4.6%	-1.1%	1.0%
<b>Consumer</b>																
MHP	MHPC	1,183	1,135	1,300	459	415	490	38.8%	36.6%	37.7%	-126	59	300	-10.6%	5.2%	23.1%
Kernel	KER	1,989	2,169	2,711	346	319	346	17.4%	14.7%	12.8%	225	176	238	11.3%	8.1%	8.8%
Astarta	AST	349	402	475	144	167	176	41.4%	41.6%	37.0%	18	90	104	5.1%	22.4%	21.9%
Avangardco	AVGR	230	191	115	-69	1	5	-30.2%	0.4%	4.3%	-158	-57	-10	-68.9%	-29.6%	-8.3%
Ovostar	OVO	76	84	80	35	40	15	46.0%	47.7%	19.2%	32	35	10	42.3%	41.8%	12.5%
<b>Banks</b>																
		Total Assets			Total Equity			Total Income			Net Profit			Return on Equity		
Raiffeisen Bank Aval	BAVL	1,958	2,113	2,080	261	381	347	216	192	228	-66	150	228	-25.3%	39.4%	65.7%

Source: Eavex Research

**MAIN TRADING MULTIPLES**

Name	Ticker	MCap USD mn	Free Float % USD mn	EV USD mn	P/E			EV/EBITDA			EV/Sales			
					2015	2016	2017E	2015	2016	2017E	2015	2016	2017E	
<b>Iron Ore Mining</b>														
Ferrexpo	FXPO	2,073	24.0%	498	2,823	>30	11.0	8.1	9.0	7.5	5.7	2.9	2.9	2.2
<b>Railcar Manufacturing</b>														
Krukiv Wagon	KVBZ	44	5.0%	2	39	neg	neg	24.0	neg	>30	6.4	0.9	0.6	0.7
<b>Specialized Machinery</b>														
Turboatom	TATM	56	5.8%	3	-30	0.7	2.0	2.0	-0.3	-0.9	-0.9	-0.2	-0.3	-0.3
Motor Sich	MSICH	252	24.0%	60	213	1.6	3.3	2.3	0.9	1.3	1.4	0.3	0.5	0.5
<b>Oil &amp; Gas</b>														
Ukrnafta	UNAF	293	3.0%	9	278	neg	neg	4.0	neg	2.4	1.8	0.2	0.3	0.3
Regal Petroleum	RPT	28	21.6%	6	9	neg	n/a	9.5	n/a	n/a	n/a	n/a	n/a	n/a
JKX Oil & Gas	JKX	29	50.4%	15	138	neg	neg	neg	8.1	4.7	7.6	1.6	1.7	1.7
<b>Electric Utilities</b>														
CentrEnergO	CEEN	159	21.7%	35	78	>30	10.5	3.1	6.6	1.7	1.1	0.2	0.2	0.2
DonbasEnergO	DOEN	17	14.2%	2	31	neg	neg	11.3	3.8	4.4	3.7	0.2	0.2	0.2
<b>Consumer</b>														
MHP	MHPC	1,189	34.1%	405	2,193	neg	20.1	4.0	4.8	5.3	4.5	1.9	1.9	1.7
Kernel	KER	1,095	61.8%	676	1,591	4.9	6.2	4.6	4.6	5.0	4.6	0.8	0.7	0.6
Astarta	AST	357	37.0%	132	467	20.2	4.0	3.4	3.2	2.8	2.7	1.3	1.2	1.0
Avangardco	AVGR	26	22.5%	6	358	neg	neg	neg	neg	>30	>30	1.6	1.9	3.1
Ovostar	OVO	189	25.0%	47	191	5.9	5.4	18.9	5.5	4.8	12.4	2.5	2.3	2.4
<b>Banks</b>														
							P/E			P/Book			P/Assets	
Raiffeisen Bank Aval	BAVL	653	1.8%	12		neg	4.4	3.5	2.5	1.7	1.9	0.33	0.31	0.31

Source: Eavex Research



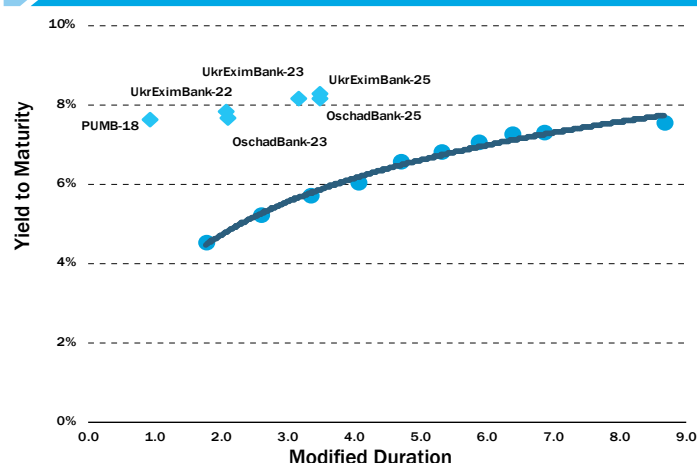
## UKRAINIAN EURO BONDS

Issue	Price (Bid)	Price (Ask)	YTM (Bid)	YTM (Ask)	Price chg. (YTD)	Modified Duration	Coupon	Coupon Period	Maturity Date	Volume USD mn	Ratings <sup>1</sup>
<b>Sovereign Eurobonds</b>											
Ukraine, 2019	105.1	105.5	4.7%	4.5%	4.3%	1.6	7.75%	S/A	1 Sept 2019	1,744	Caa2/B-/B-
Ukraine, 2020	106.2	106.6	5.3%	5.2%	7.2%	2.4	7.75%	S/A	1 Sept 2020	1,780	Caa2/B-/B-
Ukraine, 2021	106.4	106.9	5.8%	5.7%	8.8%	3.2	7.75%	S/A	1 Sept 2021	1,409	Caa2/B-/B-
Ukraine, 2022	106.4	106.9	6.2%	6.1%	9.9%	3.9	7.75%	S/A	1 Sept 2022	1,384	Caa2/B-/B-
Ukraine, 2023	106.1	107.1	6.5%	6.3%	11.2%	4.6	7.75%	S/A	1 Sept 2023	1,355	Caa2/B-/B-
Ukraine, 2024	105.3	105.9	6.8%	6.7%	11.1%	5.2	7.75%	S/A	1 Sept 2024	1,339	Caa2/B-/B-
Ukraine, 2025	104.1	104.8	7.0%	6.9%	11.1%	5.7	7.75%	S/A	1 Sept 2025	1,329	Caa2/B-/B-
Ukraine, 2026	103.1	103.6	7.3%	7.2%	10.3%	6.2	7.75%	S/A	1 Sept 2026	1,318	Caa2/B-/B-
Ukraine, 2027	103.1	103.6	7.3%	7.2%	10.6%	6.7	7.75%	S/A	1 Sept 2027	1,307	Caa2/B-/B-
Ukraine, 2032	98.1	98.6	7.6%	7.5%	-1.6%	8.5	7.375%	S/A	25 Sept 2032	3,000	//B-
Ukraine, GDP-linked (VRI)	53.5	54.0	n/a	n/a	76.2%	n/a	0.00%	S/A	31 May 2040	3,214	/B-/
<b>Corporate Eurobonds</b>											
Agrotan, 2019	14.4	18.8	209%	169%	-17.2%	0.7	6.00%	S/A	14 Jul 2019	18	//
Kernel, 2022	110.5	110.9	5.9%	5.8%	10.7%	3.4	8.75%	S/A	31 Jan 2022	500	/B/B+
MHP, 2020	108.3	108.7	4.5%	4.3%	12.3%	2.1	8.25%	S/A	2 Apr 2020	750	/B-/B-
MHP, 2024	108.3	109.0	6.2%	6.0%	8.6%	5.1	7.75%	S/A	10 May 2024	500	//
Avangardco, 2018	22.1	25.5	291%	253%	-19.5%	0.4	10.00%	S/A	29 Oct 2018	206	//
UkrLandFarming, 2018	24.0	25.0	966%	915%	-20.1%	0.1	10.88%	S/A	26 Mar 2018	500	/CC/
Mriya, 2016	5.5	7.5	n/a	n/a	n/a	n/a	10.95%	S/A	30 Mar 2016	72	IN DEFAULT
Mriya, 2018	5.5	7.5	n/a	n/a	n/a	n/a	9.45%	S/A	19 Apr 2018	400	IN DEFAULT
DTEK, 2024	105.6	106.4	9.9%	9.7%	18.7%	5.2	10.75%	S/A	31 Dec 2024	1,275	//
Metinvest, 2021	91.0	94.0	12.9%	12.0%	-0.5%	3.4	9.37%	S/A	31 Dec 2021	1,197	//B
Ferrexpo, 2019	105.3	105.8	6.3%	5.9%	4.7%	0.8	10.375%	S/A	07 Apr 2019	186	Caa3/CCC/CC
Ferrexpo, 2019	105.2	105.7	6.3%	5.9%	4.3%	0.8	10.375%	S/A	07 Apr 2019	161	Caa3/CCC/CC
UZ Rail, 2021	106.8	107.3	7.8%	7.6%	12.2%	1.9	9.88%	S/A	15 Sept 2021	500	/CCC+/CCC
Interepipe, 2017	26.0	29.0	n/a	n/a	0.0%	n/a	10.25%	S/A	2 Aug 2017	200	IN DEFAULT
JXX Oil&Gas, 2018	85.0	95.0	23.3%	17.1%	19.8%	1.7	8.00%	S/A	19 Feb 2018	16	//
<b>Bank Eurobonds</b>											
Fin&Credit Bank, 2019	0.5	1.3	n/a	n/a	-7.5%	n/a	9.25%	S/A	25 Jan 2019	100	IN DEFAULT
PUMB, 2018	103.9	104.8	7.3%	6.4%	2.8%	0.9	11.00%	Q	31 Dec 2018	275	//
Nadra Bank, 2018	0.2	1.4	n/a	n/a	-16.6%	n/a	6.25%	A	31 Jul 2018	60	IN DEFAULT
PrivatBank, 2018-2	30.0	33.0	n/a	n/a	85.3%	1.5	10.25%	S/A	23 Jan 2018	200	IN DEFAULT
PrivatBank, 2021	13.0	18.0	n/a	n/a	19.2%	1.6	11.00%	S/A	09 Feb 2021	220	IN DEFAULT
PrivatBank, 2018	29.9	33.0	n/a	n/a	136.1%	0.1	10.88%	S/A	28 Feb 2018	175	IN DEFAULT
UkrEximBank, 2022	108.0	108.2	7.5%	7.4%	10.4%	2.0	9.625%	S/A	27 Apr 2022	750	Caa3//B-
UkrEximBank, 2023	100.0	101.2	8.6%	8.4%	21.9%	3.5	7.51%	S/A	9 Feb 2023	125	Caa3//CCC
UkrEximBank, 2025	109.2	109.4	8.0%	8.0%	15.1%	3.5	9.75%	S/A	22 Jan 2025	600	Caa3//B-
VAB Bank, 2019	n/a	n/a	n/a	n/a	n/a	n/a	9.00%	Q	14 Jun 2019	88	IN DEFAULT
Oschadbank, 2023	107.2	107.7	7.7%	7.6%	10.1%	1.9	8.25%	S/A	10 Mar 2023	700	Caa3//B-
Oschadbank, 2025	108.5	108.6	8.1%	8.0%	14.8%	3.0	8.88%	S/A	20 Mar 2025	500	Caa3//B-
<b>Municipal Eurobonds</b>											
City of Kyiv, 2015	76.5	83.3	n/a	n/a	4.1%	n/a	8.00%	S/A	6 Nov 2015	101	IN DEFAULT

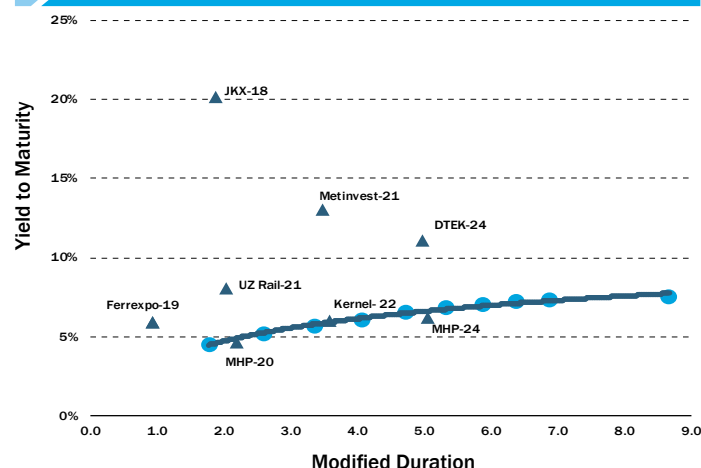
<sup>1</sup> Moody's/S&P/Fitch

Source: Bloomberg, Cbonds, Eavex Research

### SOVEREIGNS vs. BANKING EURO BONDS



### SOVEREIGNS vs. CORPORATE and MUNICIPAL EURO BONDS



**UKRAINIAN DOMESTIC BONDS**

Issue	Price (Bid)	Price (Ask)	YTM (Bid)	YTM (Ask)	Modified Duration	Coupon	Coupon Period	Maturity Date	Volume UAH mn
<b>UAH denominated Bonds</b>									
UA4000194591			15.10%	14.90%	n/a	16.62%	S/A	11 Jul .2018	1,454
<b>VAT Bonds</b>									
UA4000185151			15.60%	15.10%	1.9	9.50%	S/A	8 Jul 2019	3,577
UA4000185557			15.60%	15.10%	1.9	9.50%	S/A	22 Jul 2019	2,171
UA4000186159			15.60%	15.10%	1.9	9.50%	S/A	20 Aug 2019	955

Source: Bloomberg, Cbonds, Eavex Research

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