# ZA BANGERA ERA

Russia's Natural Gas Frontiers:
"Harnessing the Energy of the Far North"

Mark A. Gyetvay, Chief Financial Officer and Member of the Board Credit Suisse 19<sup>th</sup> Annual Energy Summit

Vail, Colorado, USA

12-13 February 2014

# **Forward-Looking Statements**



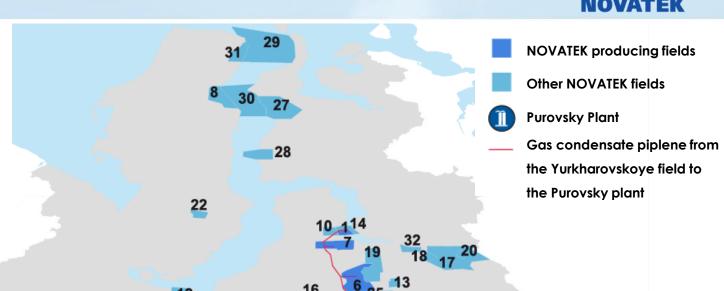
- Certain statements in this presentation are not historical facts and are "forward-looking". Examples of such forward-looking statements include, but are not limited to:
  - projections or expectations of revenues, income (or loss), earnings (or loss) per share, dividends, capital structure or other financial items or ratios;
  - statements of our plans, objectives or goals, including those related to products or services;
  - statements of future economic performance; and
  - statements of assumptions underlying such statements
- Words such as "believes", "anticipates", "expects", "estimates", "intends", "plans", "outlook" and similar expressions are intended to identify forward-looking statements but are not the exclusive means of identifying such statements
- By their very nature, forward-looking statements involve inherent risks and uncertainties, both general and specific, and risks exist that the predictions, forecasts, projections and other forward-looking statements will not be achieved. You should be aware that a number of important factors could cause actual results to differ materially from the plans, objectives, expectations, estimates and intentions expressed in such forward-looking statements
- When relying on forward-looking statements, you should carefully consider the foregoing factors and other uncertainties and events, especially in light of the political, economic, social and legal environment in which we operate. Such forward-looking statements speak only as of the date on which they are made, and we do not undertake any obligation to update or revise any of them, whether as a result of new information, future events or otherwise. We do not make any representation, warranty or prediction that the results anticipated by such forward-looking statements will be achieved, and such forward-looking statements represent, in each case, only one of many possible scenarios and should not be viewed as the most likely or standard scenario

## Fields and License Areas





Yamal-Nenets Autonomous Region – one of the world's largest natural gas producing regions



#### producing fields

- 1. Yurkharovskoye field
- 2. East-Tarkosalinskoye field
- 3. Khancheyskoye field
- 4. Olimpiyskiy license area
- 5. Yumantilskiy license area
- 6. Samburgskiy license area
- 7. Severo-Urengoyskoye field
- 8. South-Tambeyskoye field

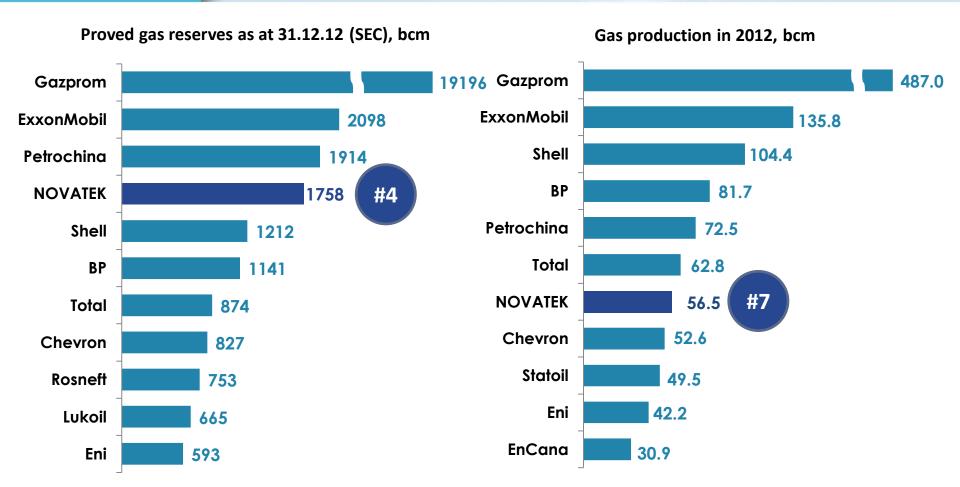
- 9. Termokarstovoye field
- 10. West-Yurkharovskoye field
- 11. North Khancheyskoye field
- 12. Yarudeyskoye field
- 13. Raduzhnoye field
- 14. New Yurkharovskiy license area
- 15. Zapadno-Urengoiskiy license area
- 16. Severo-Yubileynoye field

- 17. Severo-Russkiy license area
- 18. Severo-Russkoye field
- 19. Zapadno-Tazovskiy license area
- 20. Dorogovskiy license area
- 21. Ukrainsko-Yubileynoye field
- 22. Malo-Yamalskoye field
- 23. Zapadno-Chaselskoye field
- 24. Yevo-Yakhinskoye field

- 25. Yaro-Yakhinskiy license area
- 26. Severo-Chaselskiy license area
- 27. Salmanovskoye (Utrenneye) field
- 28. Geofizicheskiy license area
- 29. North-Obskiy license area
- 30. East-Tambeyskiy license area
- 31. Severo-Tasiyskiy license area
- 32. East-Tazovskiy license area

### Positions in the World





ONE OF THE INDUSTRY LOWEST COST BASE:
2012 LIFTING COSTS OF \$0.57 PER BOE, RESERVE REPLACEMENT COSTS OF \$1.1 PER BOE

# Targets for 2014



- Launching the Urengoykoye, Yaro-Yakhinskoye fields and third stage of the Samburgskoye field of SeverEnergia
- Launching the North-Khancheyskoye field
- Increasing gas production by 7-8% y-o-y
- Increasing liquids production by ~1.5 times y-o-y
- Securing project financing for Yamal LNG
- Capital expenditures in a range of RUB 50-60 bln (including 51% stake in the Yargeo project)
- Preparing Yarudeyskoye and Termokarstovoye fields for launch in 2015
- Exploration drilling on the Gydan peninsula



# **Purovsky and Ust-Luga**

# Purovsky Plant Expansion Completed

| Year | Stage  | Capacity   |  |  |
|------|--|--|--|--|
| 2005 | <b>First stage</b> 1st and 2nd stabilization technological trains                          | 2 mmt per annum<br>of de-ethanized<br>condensate                         |  |  |
| 2008 | <b>Second stage</b> 3 <sup>st</sup> and 4 <sup>nd</sup> stabilization technological trains | 3 mmt per annum  Total – 5 mmt per annum of de-ethanized condensate      |  |  |
| 2009 | <b>Second stage</b> 1st and 2nd LPG scrubber technological trains                          | <b>1.3 mmt per annum</b> of LPG  |  |  |
| 2013 | <b>Third stage</b> 5 <sup>th</sup> and 6 <sup>th</sup> stabilization technological trains  | 3 mmt per annum<br>Total – 8 mmt per annum of<br>de-ethanized condensate |  |  |
| 2014 | <b>Third stage</b> 7 <sup>th</sup> and 8 <sup>nd</sup> stabilization technological trains  | 3 mmt per annum  Total – 11 mmt per annum of  de-ethanized condensate    |  |  |





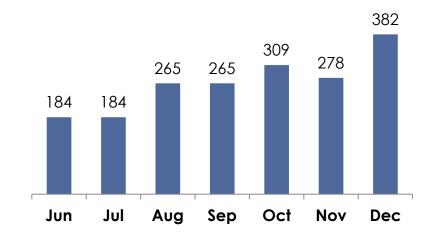


# Ust-Luga Gas Condensate Fractionation and Transshipment Complex Completed



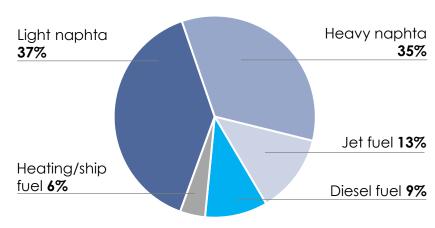
- Nameplate processing capacity –
   6 mmt of stable gas condensate per annum (2 trains of 3 mmt each)
- First train launched in June 2013,
   second train launched in October 2013
- The complex allows to process stable gas condensate from the Purovsky Plant and ship the products to international markets

#### Throughput volumes in 2013, mt



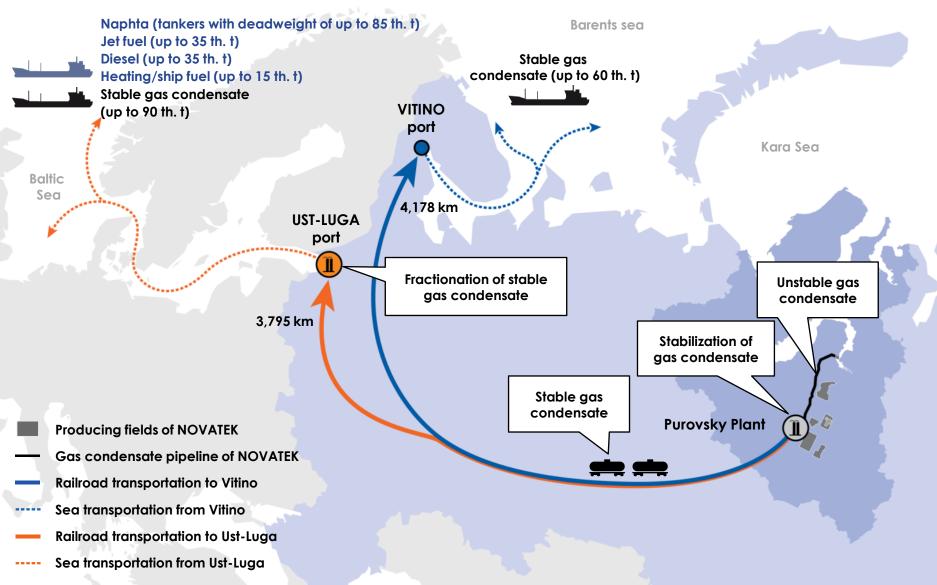


Project output structure, %



# Integrated Technological Chain and Logistics



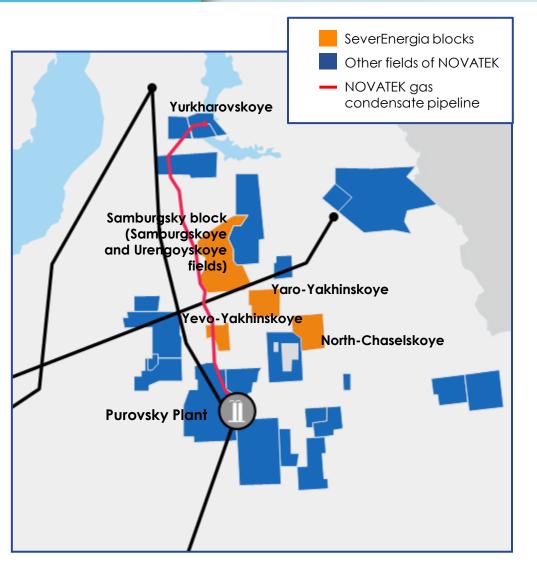




# **Major Launches in 2014-2015**

# Fields of the SeverEnergia JV





- NOVATEK has recently increased its stake in the JV from 25.5 to 59.8%
- 4 blocks with proved SEC reserves of
   421 bcm of gas and 70 mmt of liquids
- Annual gas and gas condensate production potential: 35 bcm of gas,
   6.5 mmt of gas condensate
- Production at the Samburgskoye field started in April 2012: current annual production capacity is ~5.0 bcm of gas and >600 th. tons of gas condensate
- Production launch at the Urengoyskoye and Yaro-Yakhinskoye fields is planned for 2014
- 100% of gas is acquired by Gazprom, 100% of gas condensate is acquired by NOVATEK for further processing at the Purovsky plant

# Fields of the SeverEnergia JV: Urengoyskoye Field

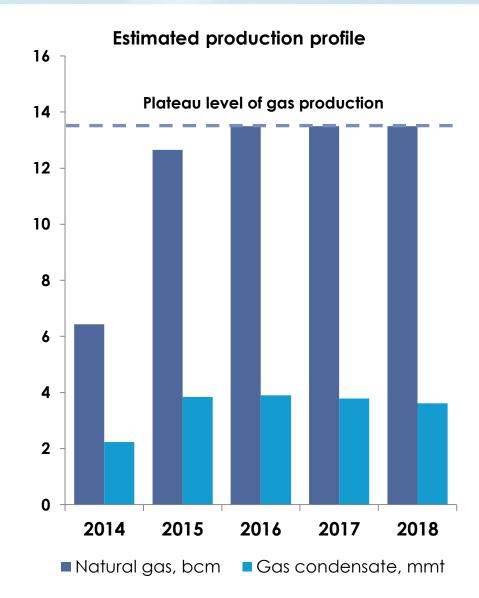


#### **Geology and reserves**

- Achimov deposits:
  - depth 3,700 3,900 meters
  - pressure abnormally high
  - permeability low
  - initial condensate factor >350 gr. per cm
- SEC proved reserves 164 bcm of gas and 36.4 mmt of liquids

#### **Development status**

- 33 production wells drilled (cumulative), including 5 horizontal wells
- main facilities (gas treatment unit, gas and gas condensate pipelines) completed and are being tested
- Scheduled launch mid 1H2014
- successful horizontal wells drilled for Achimov resulted in a decision to review field development plan by replacing vertical wells by horizontals, which will reduce well count and capex and increase gas condensate production



# Fields of the SeverEnergia JV: Yaro-Yakhinskoye Field



#### **Geology and reserves**

- Valanginian deposits:
  - depth 3,000 3,300 meters
  - very compact location at the dome of the structure
  - initial condensate factor >200 gr. per cm
- SEC proved reserves 106 bcm of gas and 15.9 mmt of liquids

#### **Development status**

- 24 horizontal gas production wells drilled (cumulative) and 5 oil wells
- back filling of well pads, roads, and areas for gas treatment and other units completed, piling underway
- condensate and gas pipelines under construction
- gas treatment facility all equipment supplied to the site
- Scheduled launch mid 2H2014

## Estimated production profile 9,0 Plateau level of gas production 8,0 7,0 6,0 5,0 4.0 3,0 2,0 1,0 0,0 2014 2015 2016 2017 2018 ■ Natural gas, bcm ■ Gas condensate, mmt

# Fields of the SeverEnergia JV: Samburgskoye Field

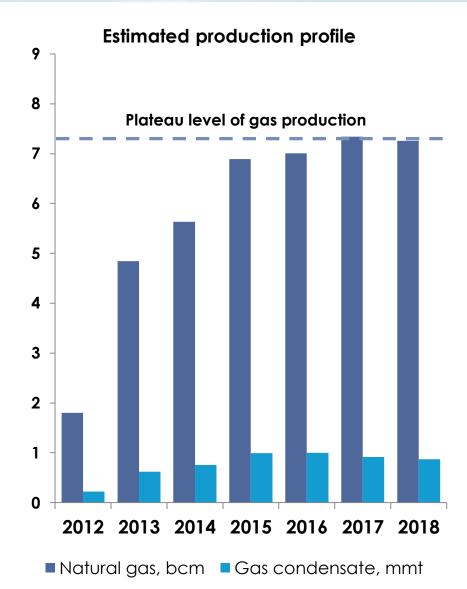


#### **Geology and reserves**

- Valanginian deposits:
  - depth 3,000 3,450 meters
  - initial condensate factor >150 gr. per cm
- SEC proved reserves 98 bcm of gas and
   15.7 mmt of liquids

#### **Development status**

- Production at the Samburgskoye field started in April 2012 - two gas treatment trains are currently in operation
- 41 production wells drilled (cumulative)
  - 38 gas and gas condensate wells and
     3 crude oil wells
  - 30 horizontal wells,
  - 11 vertical wells, including 7 horizontal side tracks
- Launch of the 3<sup>rd</sup> train rescheduled from 2015 to the end of 2014



# Yarudeyskoye Oil Field



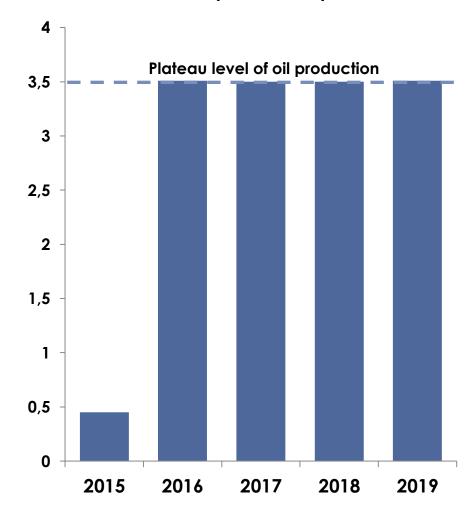
#### **Geology and reserves**

- Sandstone reservoir:
  - depth 1,850 3,050 meters
  - estimated average initial flow rates –
     >450 tons per day per well
- C1+C2 recoverable reserves –46 mmt of liquids

#### **Development plan**

- 65 new wells and 4 sidetracks from exploration wells
  - 33 horizontal production wells with horizontal parts of 500 – 1,200 meters long
  - 32 injection wells (some of them used as production wells at the initial stage)
- 350-km pipeline to Purpe
- Backfilling and production drilling began
- Scheduled launch 2015

#### Estimated oil production profile, mmt



# Other Launches in 2014-2015



| #  | Field               | Share | Launch | Peak production                            |
|----|---------------------|-------|--------|--|
| 1. | Dobrovolskoye       | 100%  | 2014   | 0.7 bcm of gas,<br>0.15 mmt of condensate  |
| 2. | North-Khancheyskoye | 100%  | 2014   | 0.9 bcm of gas                             |
| 3. | Termokarstovoye     | 51%   | 2015   | 2.15 bcm of gas,<br>0.85 mmt of condensate |



# **Yamal LNG**

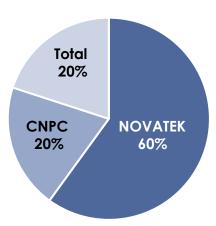
## **Yamal LNG Project**



#### Project for construction of an LNG plant on the Yamal Peninsula:

- 2P gas reserves of the South-Tambeyskoye onshore conventional field - 907 bcm
- Liquefaction capacity 16.5 mmt of LNG per annum (3 trains)
- FID date December 2013
- Capex estimate USD 27 bln
- First commercial production is scheduled for 2017

#### **Shareholders**





# **Key Project Advantages**



#### Low-cost, long-lived feedstock

- Large onshore conventional reserve base with high concentration of reserves
- Well known geology and proven development technologies
- Very low F&D and lifting costs

#### Convenient location

- Reserves are located at the coast line and highly concentrated –
   minimal capital expenditures on gas transportation from the wells to the LNG plant
- High efficiency factor of gas liquefaction process due to sub-zero temperatures relatively low liquefaction capital expenditures per unit of LNG production
- Access to both European and Asian markets

#### Strong Russian State support

- Tax concessions 12 years
- Financing of new strategic arctic port infrastructure

# South-Tambeyskoye Field Development Plan



#### **Current development parameters**

- 208 production wells to be drilled from 19 well pads:
  - 58 wells to feed the 1st train of the LNG plant
  - 66 wells to feed the 2<sup>nd</sup> and 3<sup>d</sup> trains
  - 84 wells to keep production at the plateau
- Horizontal wells with horizontal parts of up to 1,000 meters long
- First priority is given to deeper wet gas reservoirs, which will allow to maximize gas condensate output from the beginning of the commercial production
- 10 production wells completed since April 2013 the wells generated higher than planned flow rates and confirmed the geology of the field

#### Field infrastructure

- 288 km of gas gathering lines
- 121 km of roads and 143 km of high voltage lines

**Drilling rig "Arctic"** 

First rigging up – 60 days

Rig move within the field – 30 days

Rig move within the pad – 1.5 days

2 rigs are currently in operation

3rd rig to be erected in March 2014





# **Selected Contractors**



| #  | Equipment                          | Contractor                               |  |  |
|----|------------------------------------|--|--|--|
|    | EPC                                | Technip/JGC                              |  |  |
| 1. | Cryogenic Heat Exchangers          | APCI                                     |  |  |
| 2. | Turbine Cryogenic Compressors      | General Electric                         |  |  |
| 3. | Boil-Off Gas Compressors           | Siemens                                  |  |  |
| 4. | Integrated Control & Safety System | Yokogawa                                 |  |  |
| 5. | Gas Turbines for the Power Plant   | Siemens                                  |  |  |
| 6. | LNG Tanks                          | Entrepose/Vinci                          |  |  |
| 7. | Power Plant                        | Technopromexport                         |  |  |
| 8. | Acid Gas Removal System            | BASF                                     |  |  |
| 9. | Arc-7 LNG Carriers                 | Daewoo Shipbuilding & Marine Engineering |  |  |























# 9M 2013 Operating and Financial Results

# 9M 2013 Financial Highlights, RR million



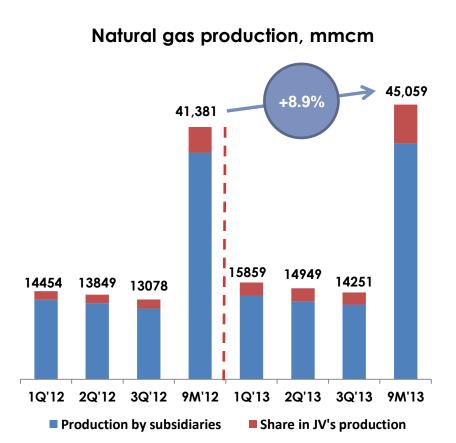
| 9M2013    | 9M2012  | +/(-)  | +/(-)%   |
|-----------|---|--|--|
| 213 907   | 150 984   | 62 923   | 41,7%  |
| 214 243   | 151 535   | 62 708   | 41,4%  |
| (137 749) | (87 762)  | (49 987)   | 57,0%  |
| 87 054    | 69 883  | 17 171   | 24,6%  |
| 40,6%     | 46,1%   |  |  |
| 19,8%     | 21,3%   |  |  |
| 57 886    | 50 911  | 6 975  | 13,7%  |
| 27,0%     | 33,6%   |  |  |
| 19,10     | 16,78   | 2,32   | 13,8%  |
| 44 933    | 31 269  | 13 664   | 43,7%  |
| 130 408   | 67 187  | 63 221   | 94,1%  |
|           | 213 907<br>214 243<br>(137 749)<br>87 054<br>40,6%<br>19,8%<br>57 886<br>27,0%<br>19,10<br>44 933 | 213 907       150 984         214 243       151 535         (137 749)       (87 762)         87 054       69 883         40,6%       46,1%         19,8%       21,3%         57 886       50 911         27,0%       33,6%         19,10       16,78         44 933       31 269 | 213 907       150 984       62 923         214 243       151 535       62 708         (137 749)       (87 762)       (49 987)         87 054       69 883       17 171         40,6%       46,1%         19,8%       21,3%         57 886       50 911       6 975         27,0%       33,6%         19,10       16,78       2,32         44 933       31 269       13 664 |

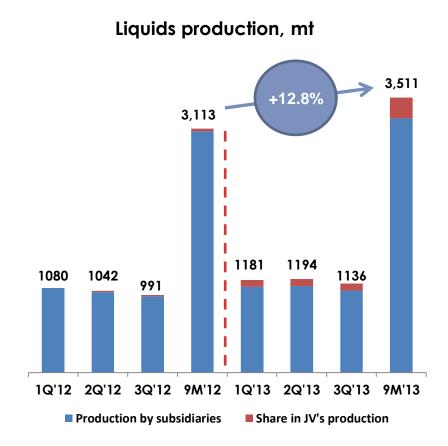
#### Notes:

- 1. EBITDA represents profit (loss) attributable to shareholders of OAO NOVATEK adjusted for the add-back of net impairment expenses (reversals), depreciation, depletion and amortization, income tax expense and finance income (expense) from the Consolidated Statement of Income, income (loss) from changes in fair value of derivative financial instruments from the "Financial instruments and financial risk factors" in the notes to the IFRS consolidated financial statements
- 2. In 2012, one of Group's investment projects in the YNAO was included by the YNAO authorities in the list of priority projects, which allows the Group's subsidiary, that carried out the project, to apply a reduced income tax rate of 15.5%
- 3. CAPEX represents additions to property, plant and equipment excluding prepayments for participation in tenders for mineral licenses
- 4. Net debt calculated as long-term debt plus short-term debt less cash and cash equivalents

## **Hydrocarbon Production**

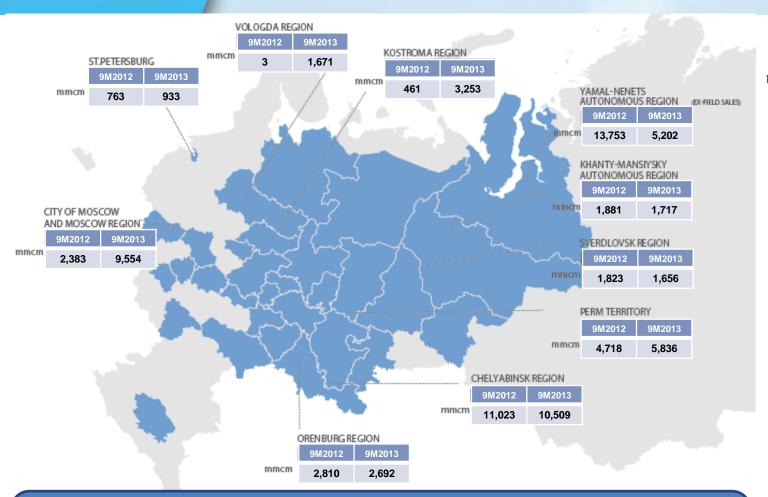




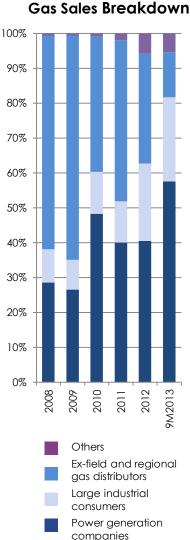


#### **Natural Gas Sales**





Significant increase in natural gas sales volumes to Moscow, Vologda, and Kostroma regions due to the contracts concluded with Severstal (for 5 years) and Mosenegro (for 3 years) and acquisition of an 82% interest in Gazprom Mezhregiongas Kostroma in 2012

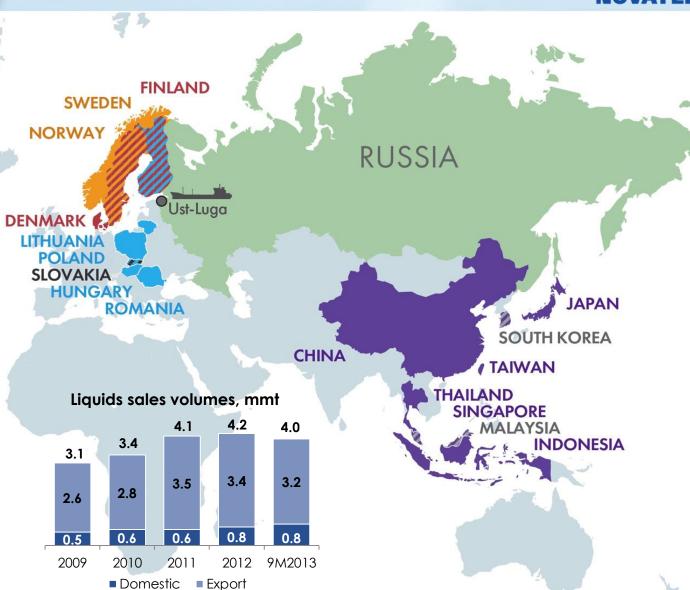


# **Liquids Sales**





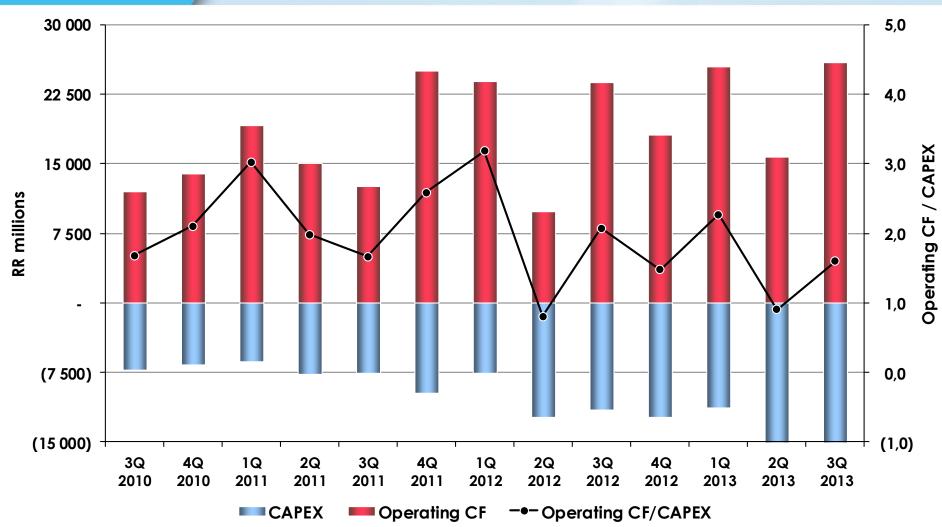
- Naphtha
- Jet fuel
- Diesel and fuel oil
- LPG
- Crude oil
- Stable gas condensate



BRAZIL

# Internally Funded Investment Program

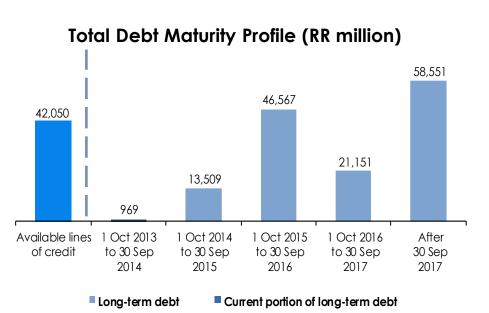




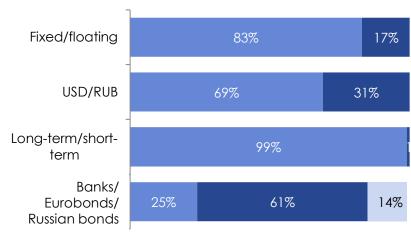
Core investments in upstream exploration, production and processing facilities funded primarily through internal cash flows

## Financial Position at 30 September 2013





#### Debt Structure (Total Debt = RR 140.7 billion)



#### Established track record of adhering to financial policies

| Metric                          | Policy Target | 2009 | 2010 | 2011  | 2012  | 9M 2013 |
|---------------------------------|---------------|------|------|-------|-------|---------|
| Debt/Normalized EBITDA, (x)     | ~1.0x         | 1.0  | 1.3  | 1.1   | 1.4   | 1.3     |
| Net debt/Normalized EBITDA, (x) | <1.0x         | 0.7  | 1.1  | 0.8   | 1.2   | 1.2     |
| Cash Balance, million \$        | \$100 - \$150 | 348  | 336  | 740   | 607   | 320     |
| Lines of credit, million \$     | \$300 - \$500 | 579  | 500  | 1,592 | 1,538 | 1,300   |

Source: IFRS financials (9M2013 (unaudited), 2009 - 2012)

# **Questions and Answers**

#### **Contact details:**

**NOVATEK's Investor Relations** 

Mark Gyetvay, Chief Financial Officer

Alexander Palivoda, Head of IR

Tel: +7 (495) 730-6013

Email: <u>ir@novatek.ru</u>

Website: www.novatek.ru