# TOWATEK

# Moving Forward – A New Decade

Mark Gyetvay, Chief Financial Officer and Member of the Board Goldman Sachs – Emerging Markets 1x1 Symposium Goldman Sachs, Brook House, London, UK 30 November 2009

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# **Keys to Our Success**



### Factors Distinguishing Our Business Model

- Maximum operating flexibility to adjust to changing business and economic cycles
  - Operational flexibility at both the production and processing levels allows us to adapt to changing market conditions
- Capital discipline and efficiencies underpin our investment decisions
  - Strong balance sheet no liquidity issues
  - Infrastructure investments to reduce operating costs
- High quality asset base scalable to changing demand scenarios
  - Large, long-lived reserve/resource base over 90% natural gas and 23 years R/P ratio (P1) and 36 years R/P ratio (P2)
  - Close proximity to natural gas pipeline infrastructure
- Lowest cost producer in global oil and gas industry (based on scale)
- Low downside risk to natural gas price dynamics
  - domestic price liberalization plan still ongoing

**Operational Profile** 

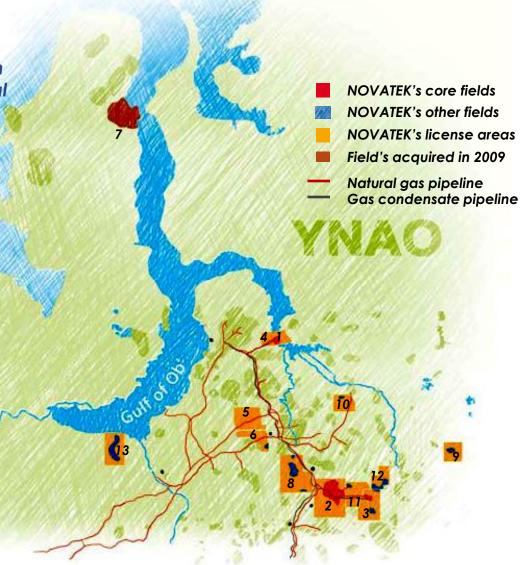
### **NOVATEK Fields and License Areas**





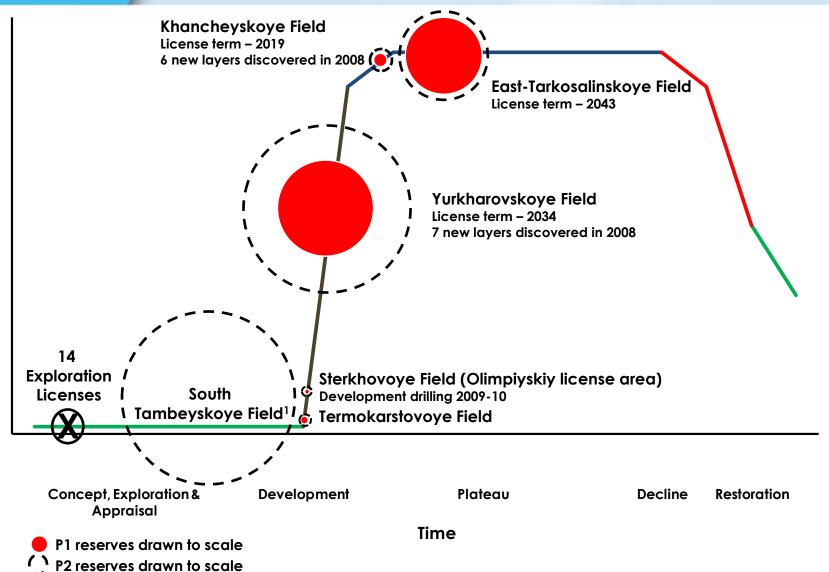
### Main fields and license areas

- 1. Yurkharovskoye
- 2. East-Tarkosalinskoye
- 3. Khancheyskoye
- 4. New Yurkharovskoye
- 5. North-Yubileyniy
- 6. West-Urengoiskiy
- 7. South-Tambeyskoye field
- 8. Olimpiyskiy
- 9. Termokarstovoye
- 10. Raduzhnoye
- 11. Yumantilskiy
- 12. North-Khancheyskiy
- 13. Yarudeyskoye



# **NOVATEK Development Profile**

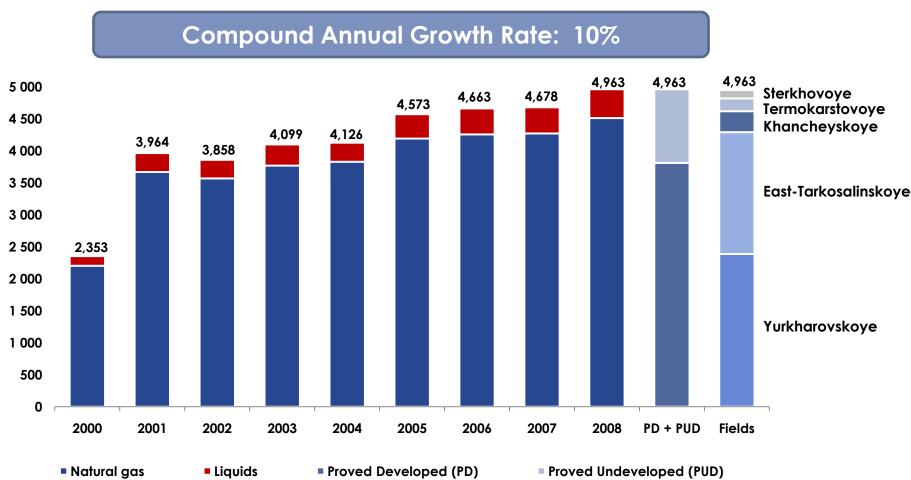




# A Proven Strategy to Build Reserves



### Proved Reserves (SEC), mmboe\*

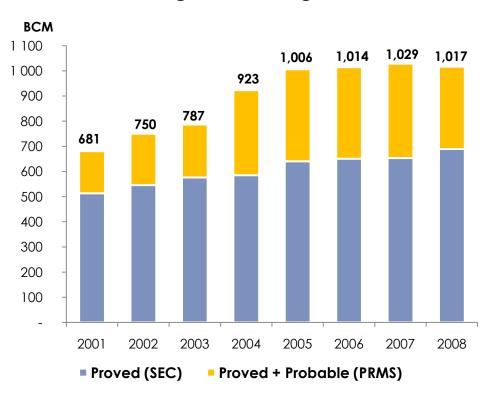


<sup>\*</sup> Proved reserves for each year-end are 100% engineered by DeGolyer & MacNaughton

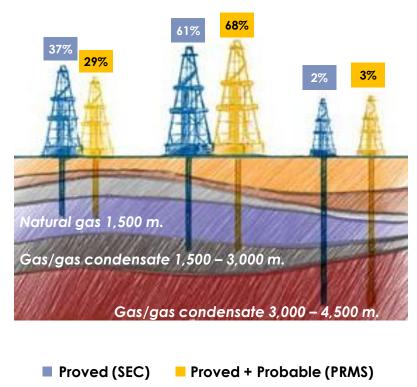
### **Natural Gas Reserves Characteristics**



### Historic natural gas reserve growth



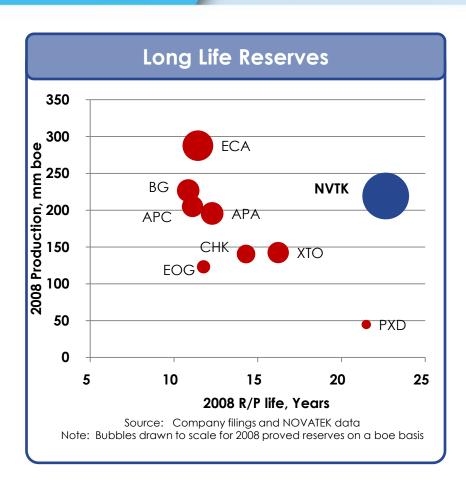
### Structure of 2008 natural gas reserves

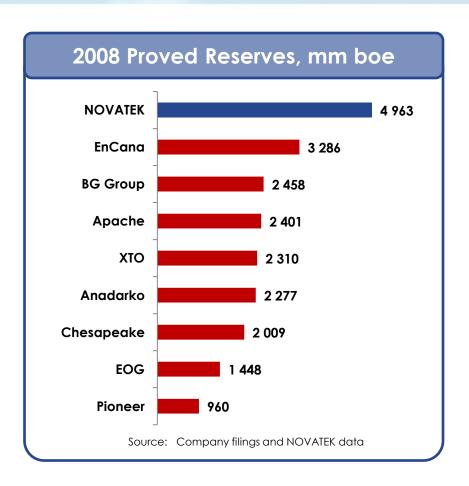


A majority of NOVATEK's vast proved plus probable reserves are located in the deeper gas condensate bearing horizons, providing the Company with multiple revenue streams (natural gas, stable gas condensate and LPG)

### **Reserves to Production**



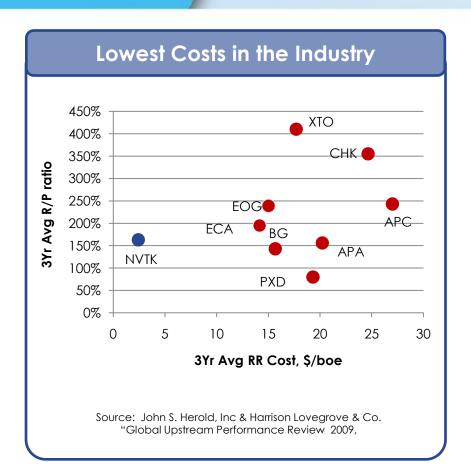


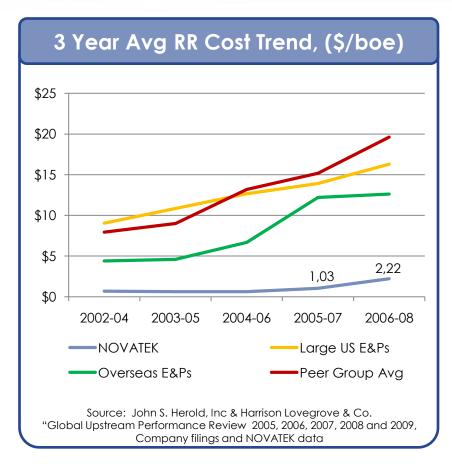


High quality reserve base supports production

### **Reserve Replacement Costs**





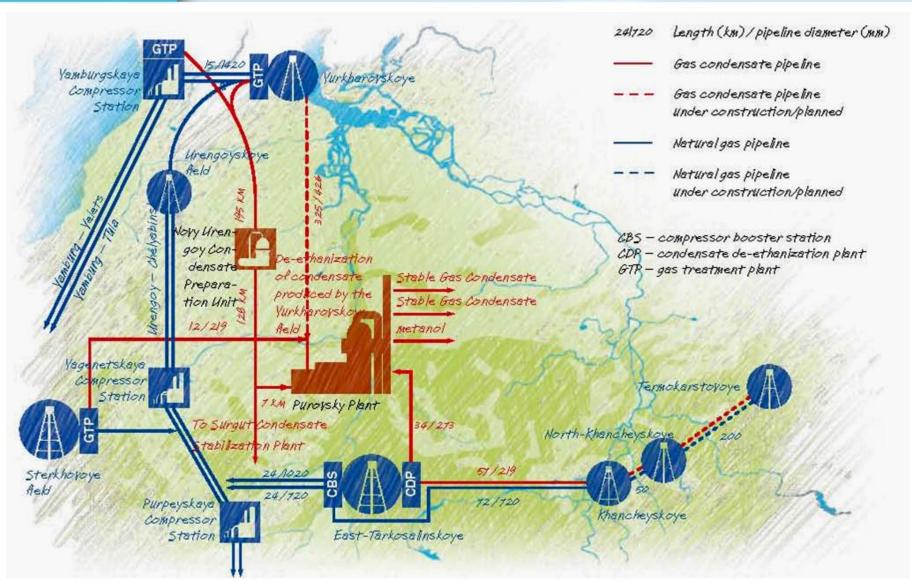


# Lowest cost producer for five (5) consecutive three-year average periods<sup>1</sup>

(1)

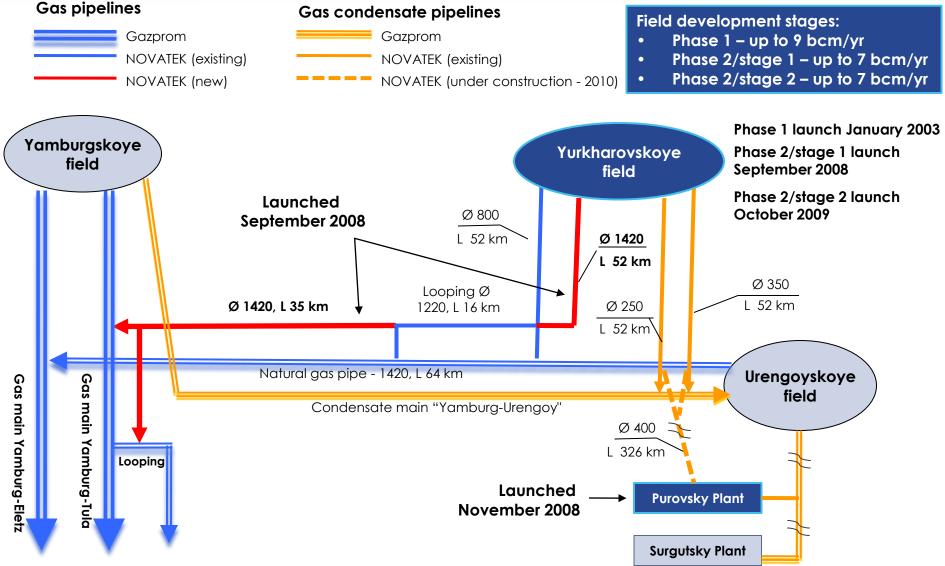
# **NOVATEK Transportation & Processing**





# Yurkharovskoye Field – Transportation Scheme





# Yurkharovskoye Field Development

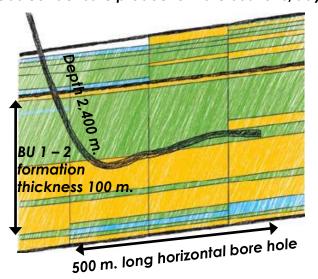


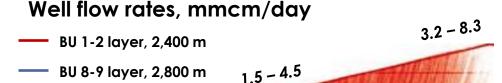
### Optimization of development plan

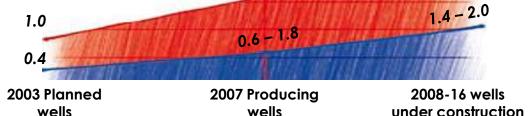
- √ Total rated field capacity on fully developed basis – 32.8 bcm/annum
- Optimization of field development plan through larger bore horizontal wells
- ✓ Increased recovery factor for natural gas at main formation from 72% to 89%

### Operating well #205

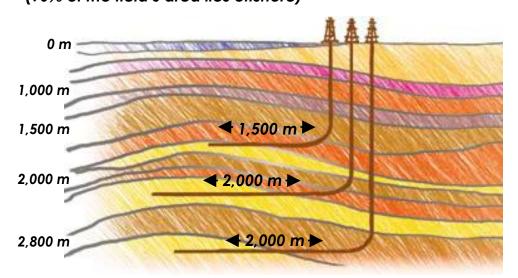
Gas production rate: 4.5 mmcm/day
Gas condensate production rate 350 tons/day





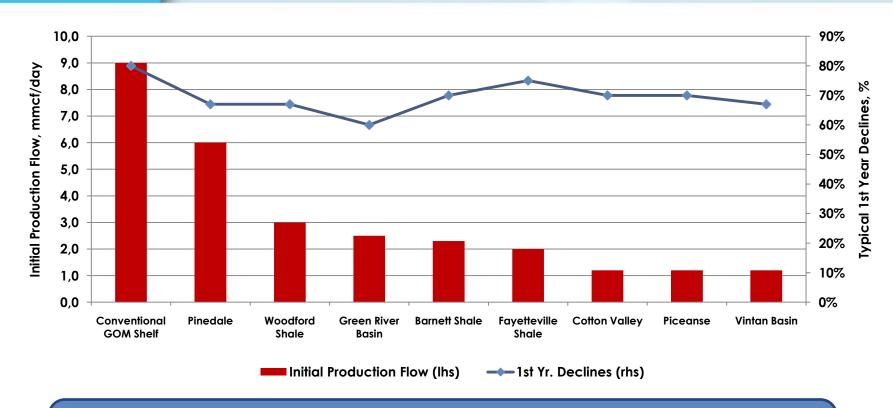


# Well clusters at the Yurkharovskoye field (90% of the field's area lies offshore)



# US: Low Flow Rates, Significant Declines



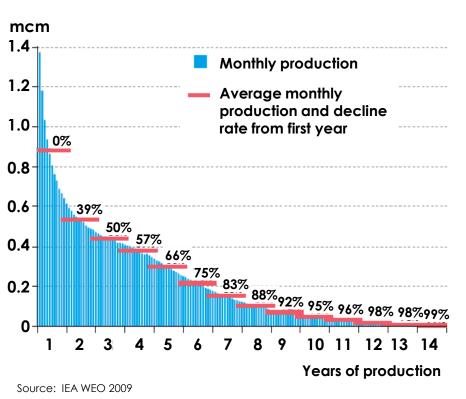


The US gas market is characterized by low flow rates, high well counts, and significant decline rates. In contrast, our Yurkharovskoye field's new well flow rates average between 150 to 170 mmcf/day/well.

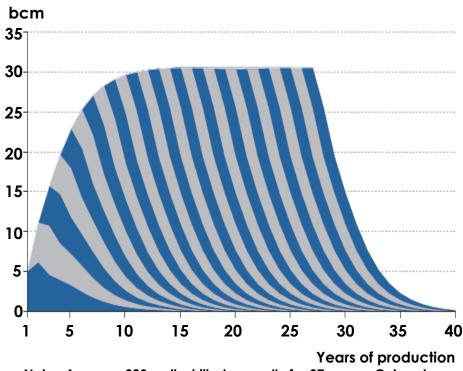
### Case Study - Barnett Shale



# Production decline rates for Barnett shale horizontal wells



Hypothetical profile of a new gas Shale play, based on typical profile of Barnett shale wells

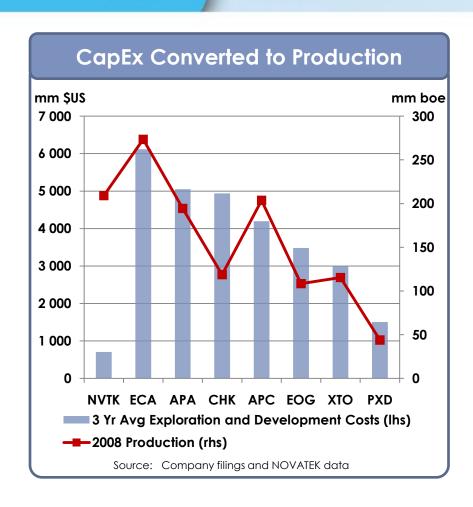


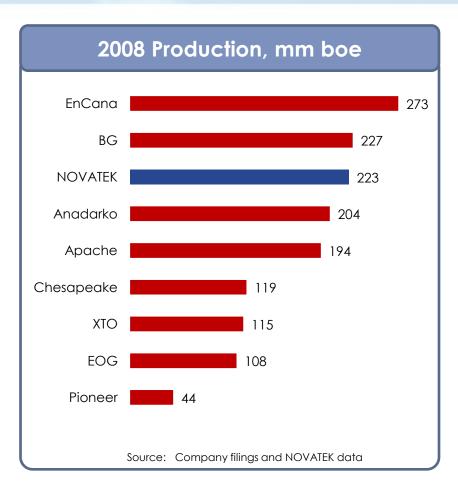
Note: Assumes 800 wells drilled annually for 27 years. Colored Segments represent production from each vintage

A new shale play is expected to incur total drilling cost of approximately \$65 billion (21,600 wells drilled) to produce 30 bcm per annum; we will incur roughly \$1.5 billion to drill 90 wells at YNG with the equivalent annual production rate

# **Capital Efficiency**







High production flow rates yet low capital intensity

# OAO Yamal LNG – South Tambeyskoye Field





# OAO Yamal LNG holds the license for exploration and development of the South-Tambeyskoye field

- Discovered in 1974, the field is located on the Northeastern side of the Yamal-Peninsula
- Initial license issued 13 July 2005 and valid until 2020.
- To date:
  - 1,160 km<sup>2</sup> of 3D seismic data
  - 55 exploration wells drilled

### Russian Reserve Classification 1 January 2008 (100%)

Category	Natural Gas, bcm	Gas Condensate, mmt	Total mm boe
C1	1,004	38	6,889
C2	252	14	1,767
C1+C2	1,256	52	8,656

### Independent Reserve Audit<sup>1</sup>, 1 July 2007 (100%)

Category	Natural Gas bcm	Gas Condensate, mmt	Total mm boe
PRMS P2	628	23	4,303
PRMS P2 + P3	717	28	4,923

1. Ryder Scott Company, L.P.

# **Expanding Our Commercial Reach**

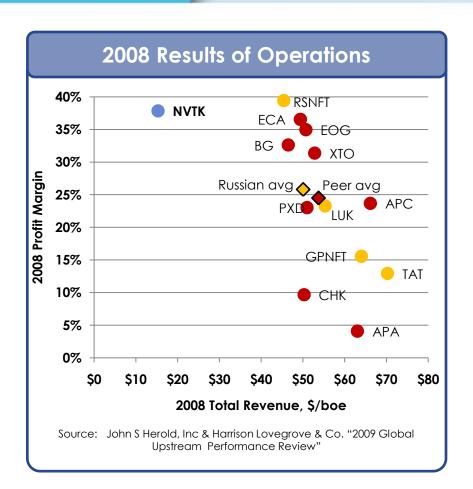


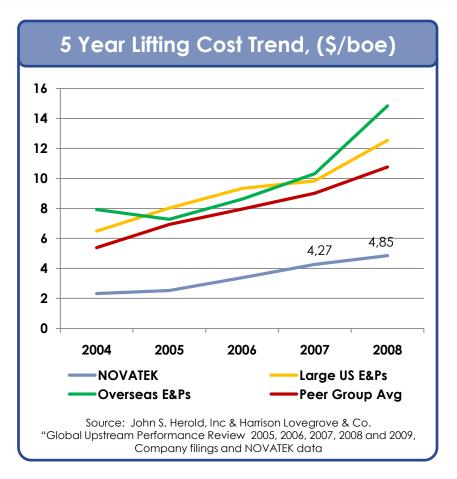
### Geographic distribution of stable gas condensate



### Oil and Gas Operational Results



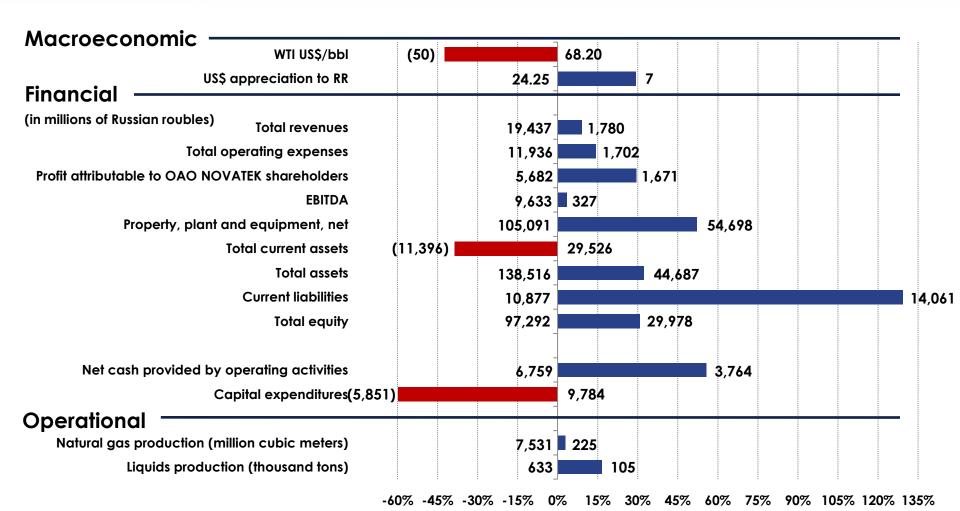




Optimizing profit in low price environment through strict cost control

# **NOVATEK 3Q09/3Q08 Performance Summary**

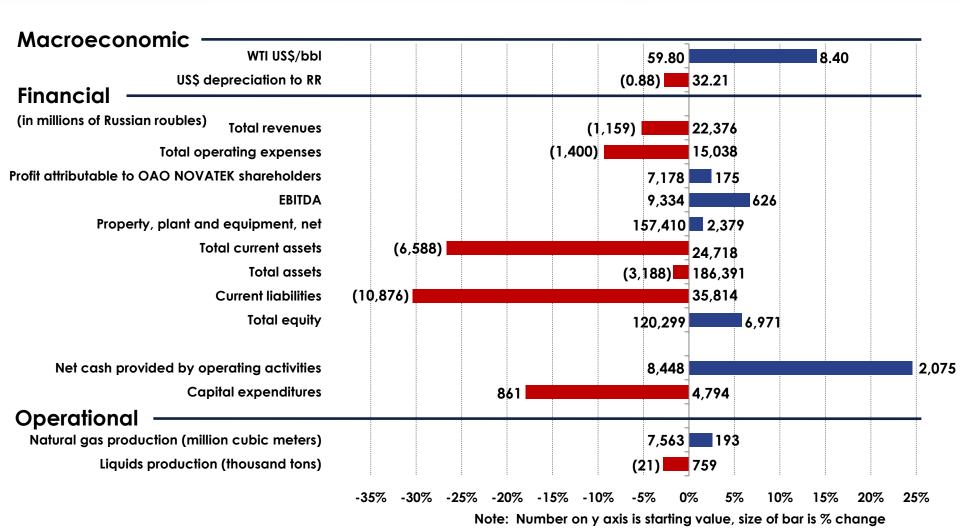




Note: Number on y axis is starting value, size of bar is % change

### **NOVATEK 3Q09/2Q09 Performance Summary**

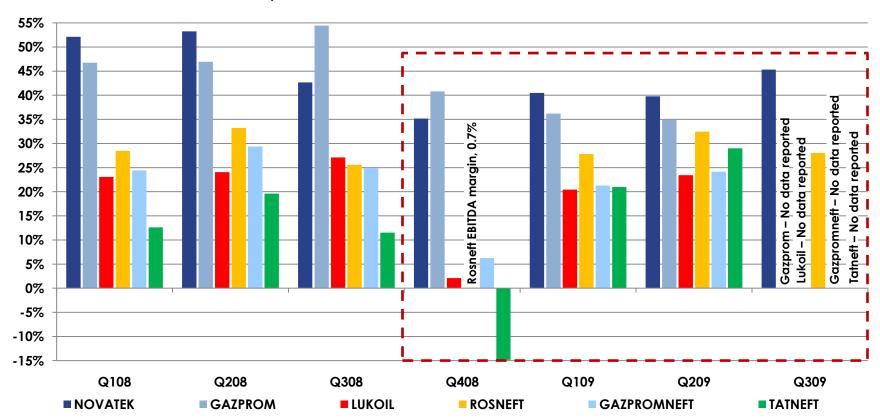




# Financial Resiliency Throughout the Crisis



### EBITDA to Total Revenues, %



Operational flexibility and prudent cost control underpins NOVATEK's relatively strong EBITDA margins during difficult market environment

# **Reporting Efficiency**



### Reporting Dates for Selected Russian Oil and Gas Companies

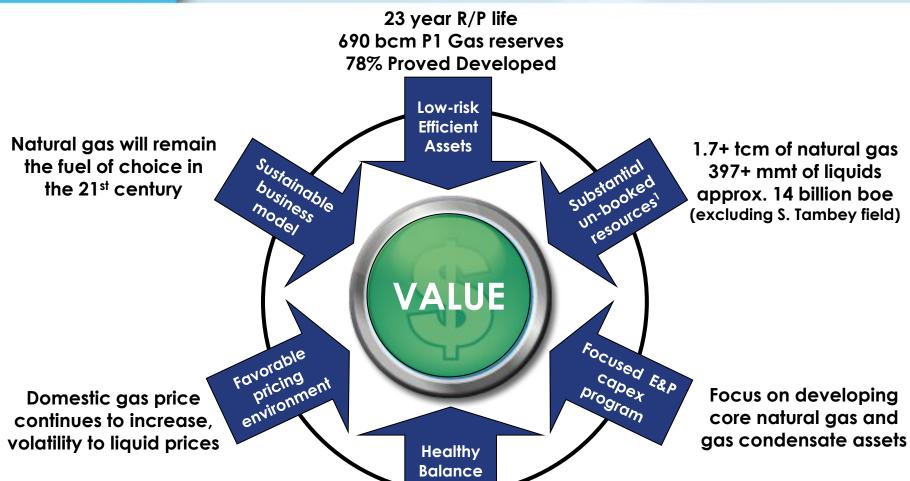
	NOVATEK	Gazprom	Rosneft	Lukoil
FY 2007	18-Apr-08	27-Jun-08	7-Apr-08	7-Apr-08
1Q 2008	15-May-08	17-Oct-08	9-Jun-08	2-Jun-08
2Q 2008	12-Aug-08	24-Dec-08	29-Aug-08	27-Aug-08
3Q 2008	10-Nov-08	25-Feb-09	1-Dec-08	8-Dec-08
FY 2008	17-Mar-09	29-Apr-09	2-Mar-09	31-Mar-09
1Q 2009	12-May-09	19-Aug-09	27-May-09	2-Jun-09
2Q 2009	17-Aug-09	30-Oct-09	1-Sep-09	27-Aug-09
3Q 2009	12-Nov-09	Expected	25-Nov-09	Expected

Red dates denote first to report during the period

NOVATEK has decreased the number of days required to report annual financial results from 109 days in 2007 to 76 days in 2008 and has consistently provided quarterly financial information to the market at an average of 44 days after period end.

# A Compelling Investment Case





Sheet

Sufficient cash reserves, strong liquidity ratios, and

substantially de-levered

Notes:

(1)

 $C_1 + C_2$  Russian reserve classifications

# TOWATEK

# **Questions and Answers Session**

### **Contact details:**

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**Appendices** 

Supply/Demand Environment – Europe & Russia

# Europe Will Still Be Calling for Russian Gas



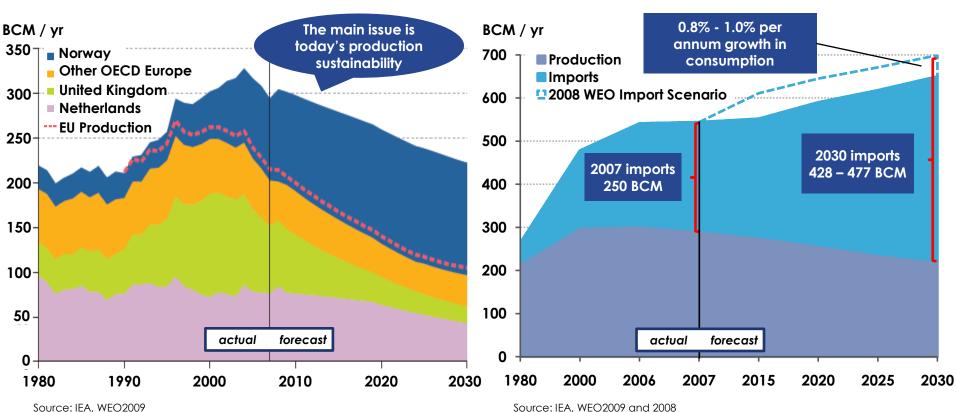
- Current decline in gas demand in European markets is cyclical rather than structural and alternative gas supplies are unsustainable
  - Current decrease in European demand for Russian gas is driven by unsustainably low spot prices, distortions in Gazprom's price formula and seasonality factors
  - Recent activity supports Gazprom's position as the major supplier to European markets
    - Indications that EDF (Electricite de France) will take an equity stake in the South Stream pipeline project
    - E. On's (Germany) willingness to increase purchases of Russian gas (at the expense of other suppliers)
    - Poland has indicated that it will need additional Russian gas to meet winter demand
  - Indigenous production in European gas basins continues to decline
  - Current supplies of LNG to Europe are not sustainable
    - Supplies to Asian markets will increase once economic activities recover
    - Current LNG demand in the US expected to increase once US production declines set in

# OECD Europe Gas Scenarios - Base Case





### OECD Europe Gas Balance Scenario



Significant decline forecasted from major OECD Europe indigenous gas production will result in an increase in imports over the long-term. Forecasts show that between 2007 and 2030 imports will likely increase by 178 to 227 BCM per annum

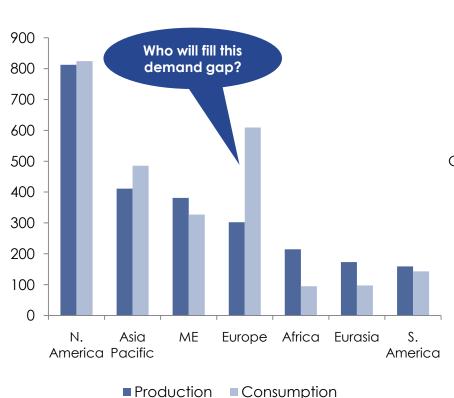
### Call on Natural Gas

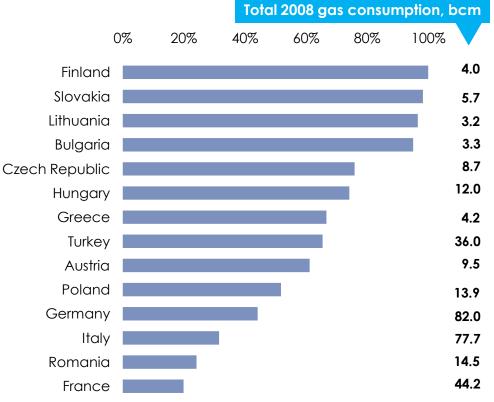


Europe demonstrates the greatest natural gas deficiency amongst key regions...

...and Russia currently supplies approximately 30% of 2008 European demand

Natural gas production & consumption, bcm

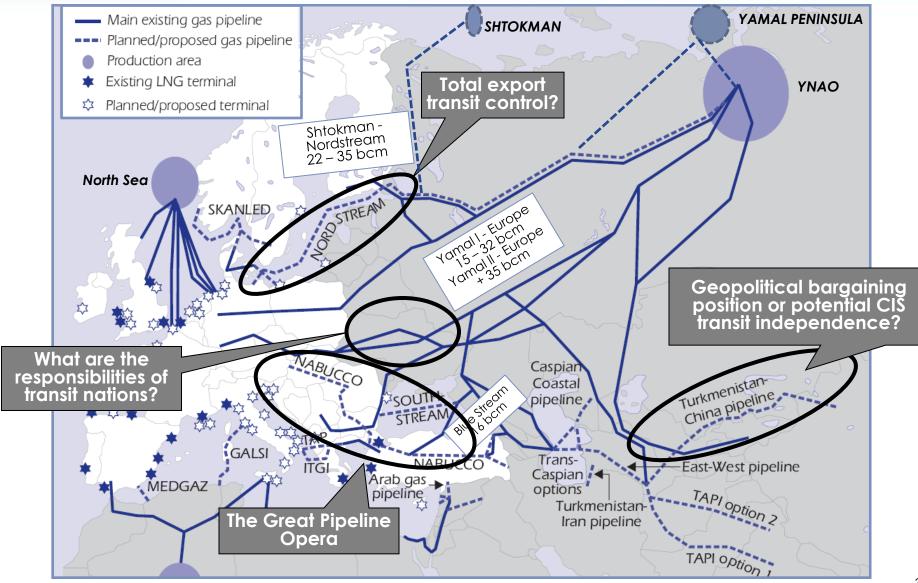




Source: 2009 BP Statistical Review

# Existing and Planned Gas Pipelines to Europe



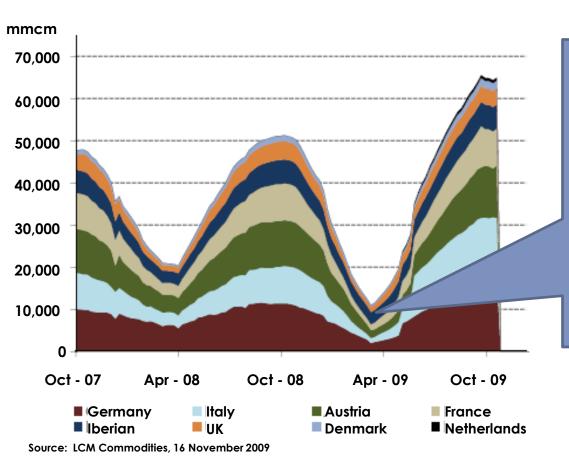


Source: IEA

# The EU Natural Gas Storage Question



### European Natural Gas Storage by Region



As highlighted throughout the past year, we have seen a significant reduction in EU natural gas storage volumes due largely to price arbitrage and supply disruptions. However, natural gas storage has been increased with the additional new storage capacity and the EU's reluctance to enter the winter season without adequate supplies as well as price normalization.

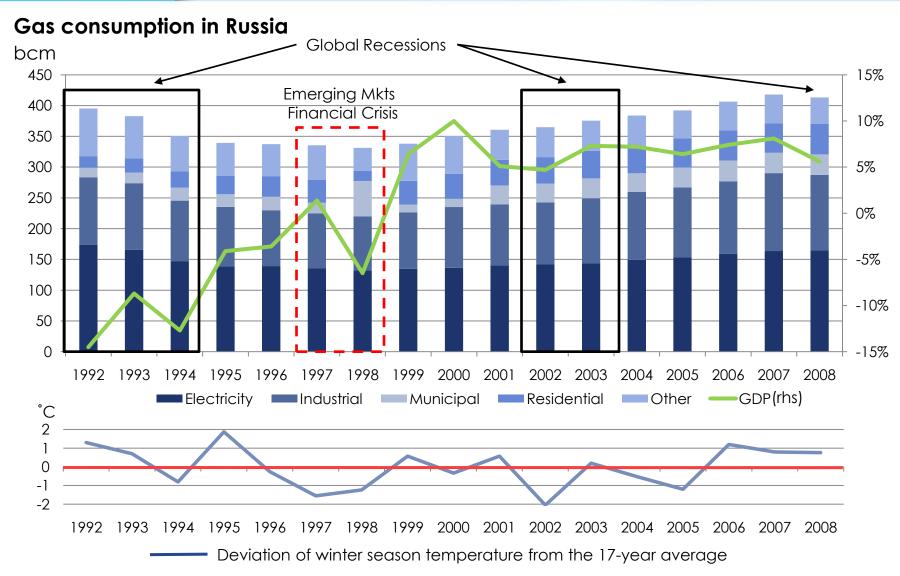
# **Domestic Balance Weighted to Independents**



- No change to fundamental supply and demand dynamics for the Russian domestic market
  - Gazprom is still inclined to supply gas to the European market for higher prices and to maintain its market influence
  - The postponement of Gazprom's investment program will potentially delay the launch of new production capacity (i.e., the recent announcement on the Shtokman project)
  - Natural gas supplies from Central Asia have already decreased significantly (due to pipeline disruption) and future purchases are uncertain – preliminary estimates that Central Asian imports will decline by roughly 50% over the next couple of years
  - Gas and power sector reform still on track despite effects of economic downturn
  - Base demand has remained relatively consistent during past recessions
  - Existing and planned capacity increases will enable us to produce approximately 52 bcm by the end of 2010 (no change to capital investment program)
  - Our current market share, 30% of independent production, as well as our productive capacity provides the platform for future growth at the lowest cost

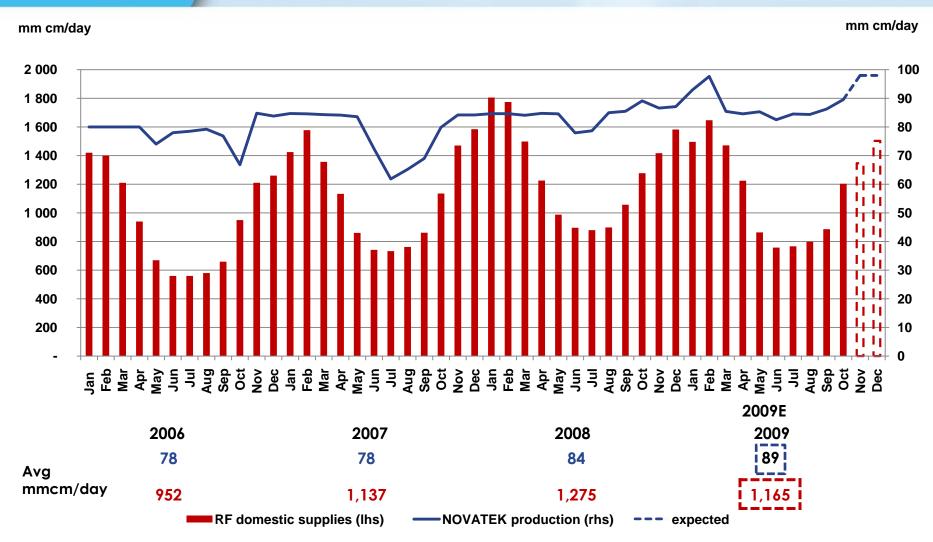
# Relative Growth Despite Recessions





### Natural Gas Supplied to RF Domestic Market





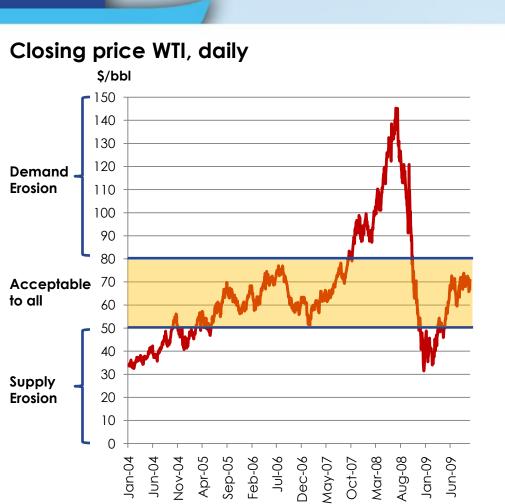
Source: Troika Dialog Research Data (2006 RF domestic supplies), CDU TEK (2007 – 2009 RF Domestic supplies), Company Data

Note: 1. NOVATEK expected based on actual and expected production in Nov and Dec 2009; RF domestic supplies estimates in 2009 are 5% lower than 2008 volumes.

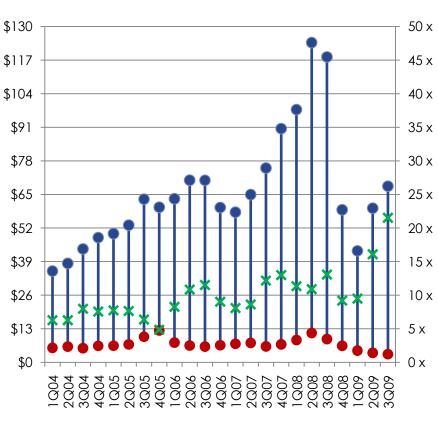
Macro – Crude Oil and Natural Gas Prices

# Will Oil-Priced Linkage Remain?





### Increasing spread between HHUB and WTI



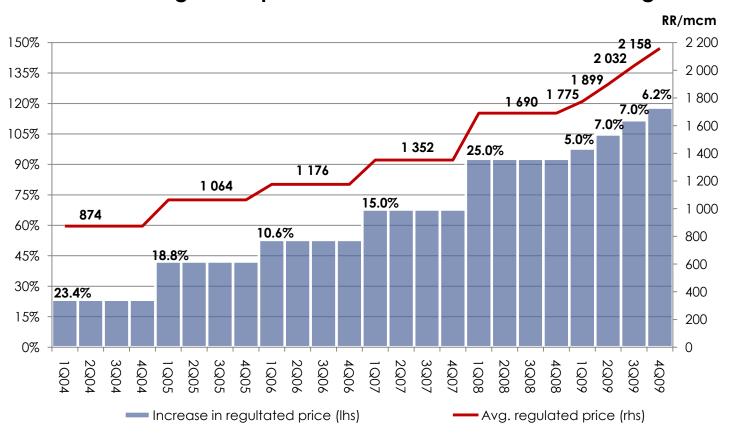
■WTI Price (\$/bbl) ■ HHUB Price (\$/mmbtu) × WTI/HHUB spread (rhs)

Markets are best served when crude oil prices range between \$50 and \$80 per barrel

# Predictable Gas Pricing Model



### Historical regulated price increases for Russian domestic gas

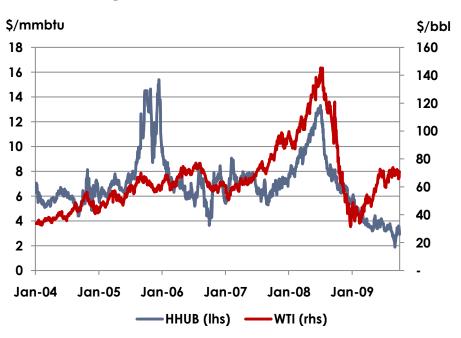


Steadily increasing natural gas prices on the Russian domestic market provide downside pricing risk protection and clarity for future revenues

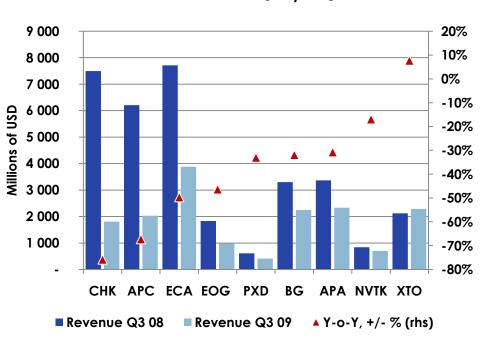
# **Price Volatility and Revenues**



### Closing price for HHUB and WTI, daily



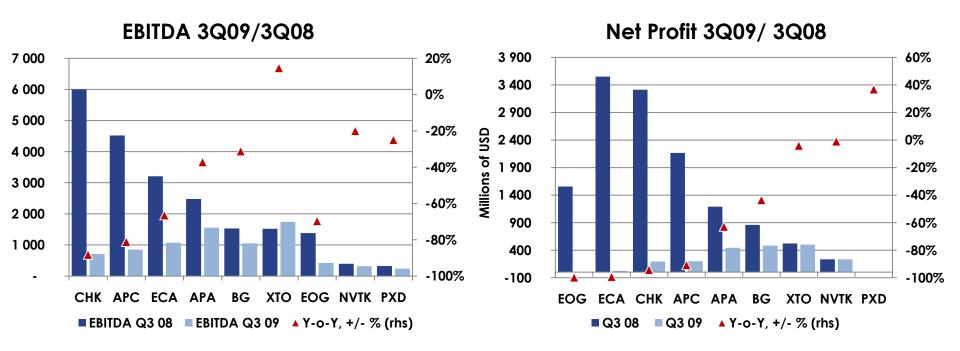
### Revenues 3Q09/3Q08



A significant drop in the HH natural gas price has dramatically impacted the financial results of our peer group during 2009

# Percentage Change In Financial Results





Correspondingly, we have seen a notable decrease across our peer group's EBITDA and net profit from the significant drop in both the HH natural gas price and crude oil prices during the first nine months of 2009