TOBOLSK-POLYMER
propane dehydrogenation and polypropylene production complex
LOCATION OF THE TOBOLSK-POLYMER COMPLEX

WEST SIBERIAN PETROCHEMICAL CLUSTER

COUNTRIES INVOLVED IN THE PROJECT
- ITALY
- GERMANY
- RUSSIA
- INDIA
- NETHERLANDS
- USA
- TURKEY
- SWITZERLAND
- FRANCE
- KOREA
- MALAYSIA
- SINGAPORE
- BELGIUM
- UNITED KINGDOM
- CZECH REPUBLIC
- SPAIN
- MEXICO
- CHINA
- JAPAN
- UAE
- SWEDEN
- AUSTRIA
- DENMARK

EQUIPMENT AND MATERIAL SUPPLIERS**

** Ratio in value terms

PROJECT SCALE

ONE OF THE BIGGEST PROPYLENE PRODUCERS (BY DHP UNIT CAPACITY)*

<table>
<thead>
<tr>
<th>Producer</th>
<th>Country</th>
<th>Capacity tpa</th>
</tr>
</thead>
<tbody>
<tr>
<td>PI Propylene</td>
<td>USA</td>
<td>658 000</td>
</tr>
<tr>
<td>Tobolsk-Polymer</td>
<td>RF</td>
<td>510 000</td>
</tr>
<tr>
<td>Saudi Polyolefins Co.</td>
<td>Saudi Arabia</td>
<td>450 000</td>
</tr>
<tr>
<td>Propanchem</td>
<td>Spain</td>
<td>400 000</td>
</tr>
<tr>
<td>Petronas</td>
<td>Malaysia</td>
<td>300 000</td>
</tr>
</tbody>
</table>

THE BIGGEST PP PRODUCER (BY PP UNIT CAPACITY)*

<table>
<thead>
<tr>
<th>Producer</th>
<th>Country</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Tobolsk-Polymer</td>
<td>RF</td>
<td>500 000</td>
</tr>
<tr>
<td>Shenhua Ningmei</td>
<td>China</td>
<td>500</td>
</tr>
<tr>
<td>Shenhua Ningmei</td>
<td>China</td>
<td>500</td>
</tr>
<tr>
<td>Ibn Zahr</td>
<td>Saudi Arabia</td>
<td>500</td>
</tr>
<tr>
<td>Chandra Asri PC</td>
<td>Indonesia</td>
<td>480</td>
</tr>
<tr>
<td>Total PC</td>
<td>Belgium</td>
<td>480</td>
</tr>
</tbody>
</table>

* Projects that are already operational
DELIVERY OF LARGE-SCALE EQUIPMENT

- 18 VESSELS, 992 RAILWAY CARS, AND 1,957 TRUCKS HAVE DELIVERED EQUIPMENT AND MATERIALS TO THE FACILITY FROM OVER 20 COUNTRIES

- THE FACILITY’S LARGEST COLUMN IS 96M HIGH, HAS A DIAMETER OF 10.5 M, WEIGHS 1,086 TONNES AND TOOK 6 HOURS TO BE INSTALLED

- ALL EQUIPMENT IS DESIGNED TO BE FULLY OPERATIONAL AT −52°C, THE LOWEST TEMPERATURE EVER RECORDED IN TOBOLSK

~16 749 km

~29 131 km

~31 817 km
PROJECT CAPEX AND FINANCING

CREDIT AGRICOLE CIB
- Global Coordinator and Documentation Agent for the financing.
- Commercial Facility Agent for the two Commercial Loan Facilities

INTESA SANPAOLO SPA
- SACE Agent and Italian Paying Agent

DEUTSCHE BANK
- Hermes Facility Agent, SACE Facility Agent and Hermes Agent

NAMED DEAL OF THE YEAR 2010 BY INTERNATIONAL FINANCIAL PUBLICATIONS: PROJECT FINANCE MAGAZINE AND TRADE FINANCE MAGAZINE

1) Including $1,220 mln ECA backed financing – 13.5 years, and $221 – commercial installment loan - 9 years
RUSSIAN POLYPROPYLENE (PP) MARKET

PP CONSUMPTION*

2012, kg per capita

- RUSSIA: 6
- EASTERN EUROPE: 14.2
- USA: 17
- WESTERN EUROPE: 18

PP USE*

2012

- PACKAGING: 38%
- FILMS: 30%
- PIPES: 18%
- PP PLATES (INCL. GEO MATERIALS): 6%
- OTHER: 5%

FINAL PP PRODUCTS

- HOUSEHOLD APPLIANCES
- CAR BUMPERS
- BOTTLE TOPS
- FOOD PACKAGING
- TUPPERWARE
- THREAD
- CHAIRS
- DIAPER LININGS

SIBUR’S SALES NETWORK

- MOSCOW
- VIENNA
- SHANGHAI
- TIANJIN
- QINGDAO
- GUANGZHOU
- KIEV
- ISTANBUL

* Source: MRC Plast

SIBUR’S INTERNATIONAL OFFICES (EXPORT DIVISION):

- MOSCOW
- NIZHNY NOVGOROD
- EKATERINBURG
- ROSTOV ON DON
- SAINT PETERSBURG
- NOVOSIBIRSK/TOMSK

BASIC POLYMER SALES OFFICES:
ECOLOGICAL PRESERVATION

THE PROJECT’S ENVIRONMENTAL IMPACT IS MONITORED BY ERM EURASIA, AN INTERNATIONAL SUSTAINABILITY CONSULTANCY

- CONTRACT SIGNED BY 2022
- BIANNUAL AUDITS DURING CONSTRUCTION AND ANNUAL AUDITS AFTER COMMISSIONING
- CONTINUOUS AUTOMATIC AIR QUALITY MONITORING BY THE STATION IN TOBOLSK
- REGULAR LABORATORY TESTING PLANNED FOR AIR EMISSIONS AT THE BOUNDARY OF THE FACILITY’S SANITARY PROTECTION ZONE

- ADVANCED FILTRATION SYSTEM KEEPING VIRTUALLY ALL EMISSIONS BELOW THE AUTHORISED LEVEL
- FACILITY LOCATED 10 KM TO THE NORTH-EAST OF TOBOLSK
- WIND ROSE: FOR MOST OF THE YEAR THE WIND DIRECTION IS AWAY FROM THE CITY
- FACILITY EQUIPPED WITH CLOSED LOOP WASTEWATER TREATMENT SYSTEM (ZERO DISCHARGE TO RIVERS, LAKES, SWAMPS OR ANY OTHER BELOW/ABOVEGROUND WATER RESERVOIRS)
- WASTE TREATMENT FACILITIES DESIGNED WITH RESERVE CAPACITY TO CONTAIN OVERSPILL

ENVIRONMENTAL MONITORING DATA IS REGULARLY SUBMITTED TO THE TYUMEN REGION’S ROSPRIRODNADZOR OFFICE (FEDERAL SERVICE FOR THE SUPERVISION OF NATURAL RESOURCES) AND THE TYUMEN GOUVERNMENT’S NATURAL RESOURCES AND ENVIRONMENTAL MANAGEMENT DEPARTMENT