Caspian Energy Group

an EPCI contractor in the Caspian Sea

February 2011
Caspian Energy Group

Mission:
Development of Russian competence in offshore engineering and construction

• Offshore engineering, procurement, construction and marine installation contractor
• The only Russian EPCI offshore construction company
• More than 4700 employees

Engineering  Procurement  Construction  Installation
Caspian Energy Group LLC.
Holding & Assets management, Marketing & Sales

Caspian Energy Projects LLC

Management
- Contracting
- Project management
- Procurement

Engineering division
Design & Engineering
- Marine Technology Center SHELF
- Design Bureau CORALL
- Design Bureau VYMPEL
- Design bureau ASTRAMARIN

Construction division
Construction
- ASPO Main yard
- ASPO LOTOS yard
- ASPO Site 3 yard
- Center of Production Personnel

Service division
Offshore installation
- Heavylift
- Shipowner
- Crane Marine Contractor
Engineering Division

• Center Marine Technology SHELF joins resources of design companies:
  – Corall
  – Vympel
  – Astramarin
  – Kaspiy

• Specialized in design & engineering of offshore facilities, construction, merchant and offshore support fleet

• All design phases

• Payroll staff 1000 man
### Construction Division

<table>
<thead>
<tr>
<th>Yard name</th>
<th>Capacity</th>
<th>Max size*</th>
<th>Personnel</th>
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<tbody>
<tr>
<td>ASPO Main yard</td>
<td>12,000</td>
<td>150x25</td>
<td>2,000</td>
</tr>
<tr>
<td>ASPO Site 3</td>
<td>7,000</td>
<td>170x28</td>
<td>1,000</td>
</tr>
<tr>
<td>ASPO Lotos</td>
<td>12,000</td>
<td>130x32</td>
<td>620</td>
</tr>
<tr>
<td>Center of Production Personnel</td>
<td></td>
<td></td>
<td>500</td>
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* standard technology, bigger size – assembling afloat
Yards location

- ASPO Lotos
- ASPO Site 3
- ASPO Main Yard

Caspian Sea
Volga
Astrakhan
Center of Production Personnel (CPP)

Activities:
- Provision of production personnel
- Training and certification of various disciplines
QMS and HSE

- QSM of the yards and design companies are certified or pursuant to ISO standards
- Experience to work under RMRS, LR, DnV, BV, ABS and GL
- HSE standard of the yards complies to the Russian rules and international offshore construction practice
- Two AGIP KCO award for 2,000,000 mh with zero accidents at Kashagan Module 10
- More 850 working days in LSP-1 project with zero accidents
Service Division

Crane Marine Contractor LLC

Company fleet:
- VOLGAR 1600mt (sheerleg)
- BOGATYR 300mt (revolving)
- Submersible barge SEVAN 5400mt cargo capacity
- Tugs & service boats
- Passenger ships

Services:
- Offshore substructures and topsides installation
- Pile driving
- Modularized construction support
- Heavy cargoes handling in ports and in the sea
- Rescue operations
Projects map

Caspian Sea

- MODUs
- Production platforms
- Heavy lift cranes
Project: Fixed well head cum drilling platform connected with LQ platform
Owner: Dragon Oil Turkmenistan
Scope: EPCI
Delivery: 2012
Project: Self-elevating drilling platform
Owner: Petroresurs
Scope: EPC
Delivery: 2011
Project: Process and HVAC modules for Vancor field
Owner: ROSNEFT
Scope: Construction
Delivery: 2010
Project: Trenching barge Castoro 16
Owner: North Caspian Service Co (Saipem S.p.A.)
Scope: Hull design and construction
Delivery: 2009
Project: Ice resistant drilling & process platform LSP-1 Korchagina field
Owner: LUKOIL
Scope: EPCI
Delivery: 2009
Project: Accommodation platform LSP-2 Korchagina field
Owner: LUKOIL
Scope: Engineering, assembling
Delivery: 2009
Project: Soft-Yoke Mooring System
Owner: LUKOIL
Scope: Construction
Delivery: 2009
Project: Utility Module No 10
Owner: Agip KCO
Scope: Construction
Delivery: 2008
Project: Caspian pypelay vessel
Owner: BUMI ARMADA BERHAD
Scope: Naval architect & structural engineering
Delivery: 2010
Project: 3 x Wellhead platforms for Dragon field
Owner: Vietsovpetro
Scope: Engineering: systems, equipment, E&I, LQ for 8 pers
Delivery: 2010
Project: Jack up Drilling Rig Arcticheskaya
Owner: Gazflot
Scope: Basic & detailed designs, on-site supervision
Delivery: 2010
Project: Gravitity drilling and process platform Prirazlomnaya
Owner: Sevmorneftegaz
Scope: Basic & detailed designs of process and drilling modules, on-site supervision
Delivery: 2011
Project: Arctic mooring & loading system
Owner: LUKOIL Varandey
Scope: Basic & detailed designs, on-site supervision
Delivery: 2007
Project: Conversion of crane ship into drill barge
Owner: ROSNEFT
Scope: Basic & detailed designs, on-site supervision
Delivery: 2006
Project: Construction platform Ersai-1
Owner: Saipem S.p.A.
Scope: EPC (including assembling afloat)
Delivery: 2006
Project: Production platform and LQ for D-6 field
Owner: LUKOIL
Scope: Basic & detailed designs, on-site supervision
Delivery: 2003
Project: Caspian Pipe-lay barge Castoro-12
Owner: Saipem S.p.A.
Scope: Assembling afloat (engineering, execution)
Delivery: 2005
Project: Shtokman gas field
Owner: Gazprom
Scope: Design of FPU
Delivery: 1999

Production rate: 30 bqm
Main particulars: 226,0 x 38,0 x 20,3
Displacement:
Lightship: 44250mt
Loaded: 64900mt
Draft:
Lightship: 6,6m
Loaded: 11,0m
Endurance days:
Storages: 120
fuel, oil, fresh water: 120
Food, partagble water: 30
Power plant: 4x4760 kW

LNG plant onboard (optional)
Project: Drilling barge Suncar
Owner: Parker Drilling
Scope: Assembling, upgrade and commissioning
Delivery: 1999
Project: Jack up Drilling Rigs, 10 units
Owner: Caspomornefteflot
Scope: Basic & detailed design, construction of hulls
Delivery: 1973-1994
Project: Fixed production platforms
Owner: Vietsovpetro, Caspmorneft
Scope: Basic & detailed design, procurement, construction
Delivery: 18 topsides, 1982-2001
Project: Crane ships and shear legs 40-2000mt swl
Scope: Basic & detailed design
Delivery: more than 80 vessels, 1970-2007
Project: Semisubmersible Drilling Rigs Shelf, 5 units
Owner: Caspmornefteflot
Scope: EPC
Delivery: 1980-1992
Other construction references

- Assembling of floating crane DBA swl 2500mt
- Assembling of barge STB1
- Assembling of Pipe-lay barge Suleiman Vizirov
- Fabrication jackets for fixed platforms
- Fabrication of mechanical outfitting for concrete substructures Sakhalin II project
Cargo and service vessels
Caspian Energy Group

• The only Russian EPCI offshore construction company
• The most capable yards at Russian Caspian
• The most capable design & engineering resource in Russia (>1000 engineers)
• Unique heavylift cranes in the Caspian Sea
• Availability of skilled labor resources
• Flexibility of private company with transparency of public