

OTHER FI

Electro-hydraulic systems designed and commissioned by *PPT Engineering* have been implemented in other industries as well.

In process industry *PPT Engineering* is present in sugar processing technology from the beginning when sugar beet is delivered to the factory, up to the final technological cycles, before crystal sugar is obtained. In October 2006 the project contracted with Zammit group company from Malta was completed - delivery and installation of equipment for electro-hydraulic system for raising and lowering of oil platform for shallow seas up to 20 meters deep, weighing 2,500 tons, to the level of five meters (maximum seven meters) above the water surface (the total raising stroke is 25 meters).

For pulling out of ships for overhauling purpose, the electro-hydraulic system for winches on steep slipway on the Danube, shipyard in Kladovo, was designed, delivered, installed and commissioned. The steep slipway is provided with hydraulic drive and winch control, whose synchronization prevents tilting of ships. This electro-hydraulic system on a slipway is specific in realization of winch drive by means of 10 hydraulic cylinders, playing the role of hydromotors. For this specific case a rotating distributor was specially designed to synchronize operation of cylinders during rotation of winches whereby large torque and small winch rotation speed are achieved.

The electro-hydraulic system was designed for the needs of the thermal power plant Morava in Svilajnac, for the purpose of unloading of coal from standard wagons in TPP Morava, by rotating wagons by 180 degrees, as well as the complete central greasing system.

Within the auxiliary hydro-mechanical equipment, *PPT Engineering* has manufactured a series of electro-hydraulic devices for static and dynamic testing of cranes, so-called "nagružatelji", according to GOST standards applicable in Russia.

Hydraulic systems for grabs on HEPP Djerdap serving for cleaning of turbine screens have also been delivered. If a turbine screen is not vertical, *PPT Engineering* has a solution for a grab with a movement mechanism on the screen, designed for the dam Tis Abay II in Ethiopia.

PPT Engineering has also implemented several projects for drive of hydraulic presses and shears, scissor lift and telescopic platforms, numerous various hydraulic drives for control of latches, steering valves etc. in thermal power plants, cement plants, petrochemical combines.

*Oil well bore, Turkmenistan
Hydraulic installation for lowering of auxiliary
technological pipe in oil well bore. Lowering to the depth of up
to 6,000 m.*



ELDS



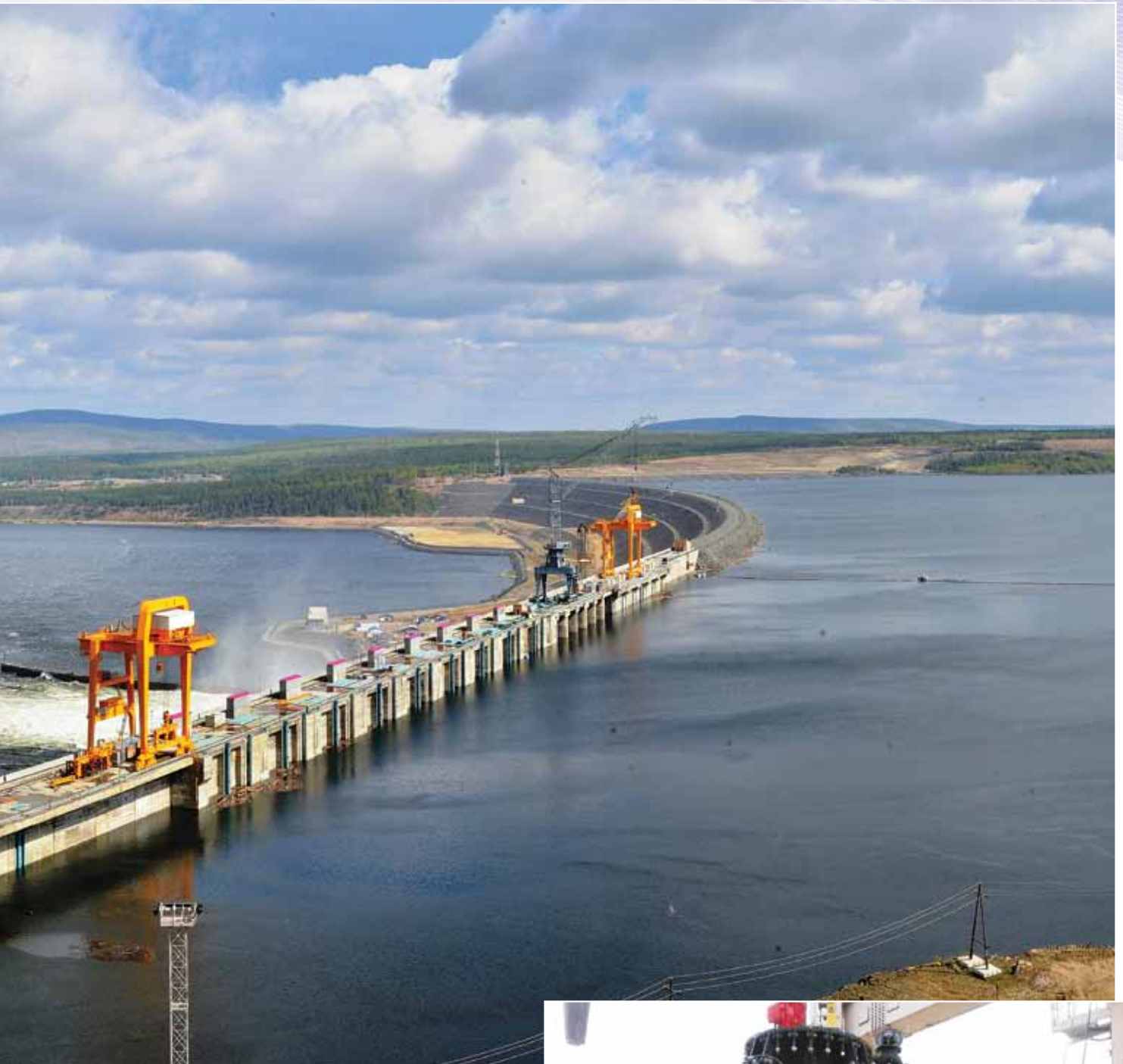
Static and dynamic crane testing device



Buyer: *Trust Hydromontazh, Russia*
Commissioning: 2006
Delivery: HEPP Boguchanska, Russia
Static and dynamic crane testing device "NAG 6.3"

Static and dynamic crane testing device - "NAG 6.3"

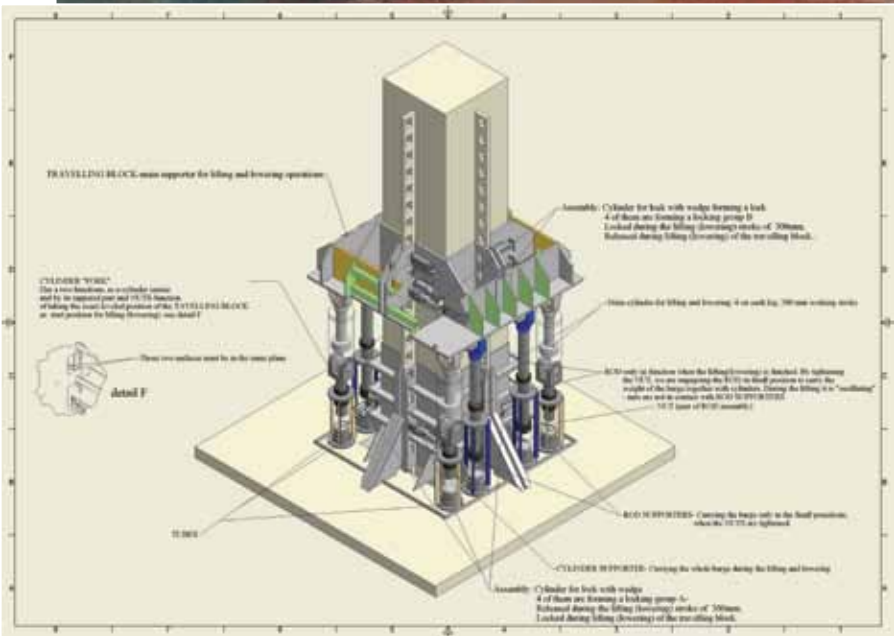
ry hydro-mechanical equipment



HEPP Boguchana - crane testing equipment



Hydraulic grab on HEPP Djerdap 2



3D model „travelling block“ – group of 4 cylinders with support

Platform for exploration drilling in shallow waters



Buyer: Zamit grup, Malta

Delivery: 2005

Electro-hydraulic system for handling 4 groups of 4 hydraulic cylinders each, by which platform lifting/ lowering is performed. Maximum lifting weight is 2,500 tons, maximum raising level is 25 meters

Platform for exploration drilling in shallow waters

Hydraulic cylinders for platform lifting and lowering



Oil industry equipment

Oil well in Serbia

Buyer: *Naftagas*, Serbia

Commissioning: 2008

Hydraulic installation for lowering of auxiliary technological pipe in oil well bores.

Lowering to the depth of up to 6,000 m.

Flick line – hydrostatic system for running auxiliary tools into well bore

Oil well in the Karakum desert, Turkmenistan

Buyer: *Naftagas*, Serbia,

Commissioning: 2009

Hydraulic installation for lowering of auxiliary technological pipe in oil well bores.

Lowering to the depth of up to 6,000 m

Oil well in the Karakum desert, Turkmenistan

Flexible pipeline installation



Hydraulic platforms

Hydraulic tilting table



Systems for strength tests



Buyer: VTI, Serbia
Testing performed: 2010
Four-channel electro-hydraulic system for static and dynamic structure testing

Installation for testing materials and structures