



Engineering Centre “Profecto” has more than 15 years of experience in large dam operation and safety in the Baltics with the primary focus on improving the efficiency of electric energy production.

Profecto employees have unique experience in dam and equipment renovation and provide high quality services to satisfy our clients’ needs. Profecto guarantees work execution in compliance with the Russian and European code.



Areas of Expertise:

- Hydraulic Structures and Amelioration Systems
- Electromechanical Systems
- Heat Supply Solutions

The company provides execution of all engineering phases:



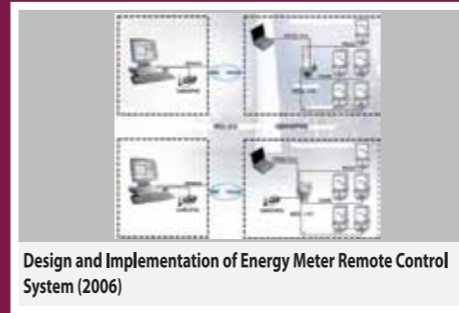
Baltic Sea



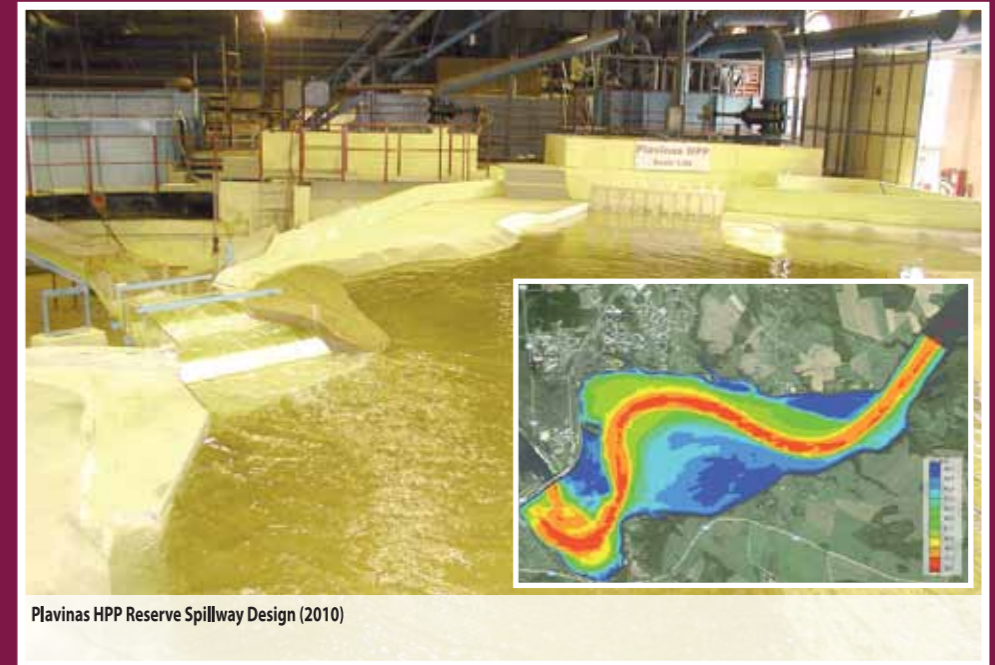
Project Management and Supervision of Technical Equipment Upgrade at Riga Thermal Power Plant 1 (2008)



Cirisu HPP Spillway Design (2000)



Design and Implementation of Energy Meter Remote Control System (2006)



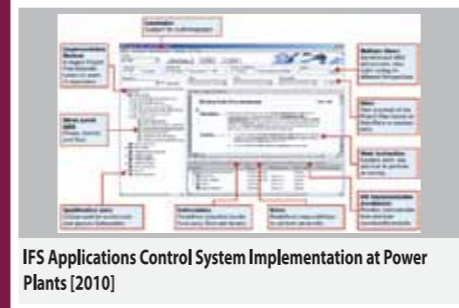
Plavinas HPP Reserve Spillway Design (2010)



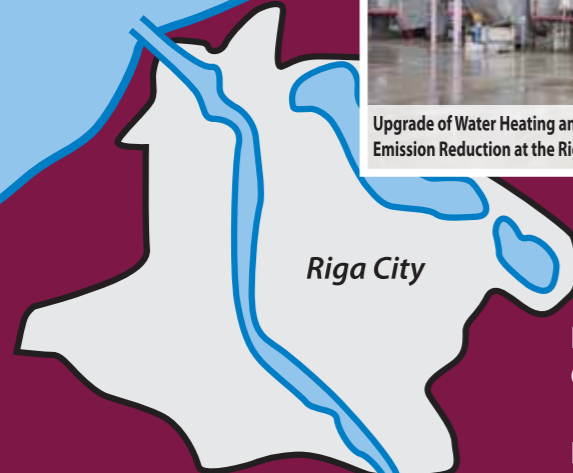
Upgrade of Water Heating and Power Boilers For NoX Emission Reduction at the Riga Thermal Power Plant 2 (2009)



Project Management and Supervision of Electromechanical Equipment Upgrade at Kegums HPP (2007)



IFS Applications Control System Implementation at Power Plants (2010)



Riga TPP - 1
Capacity: 144 MWel

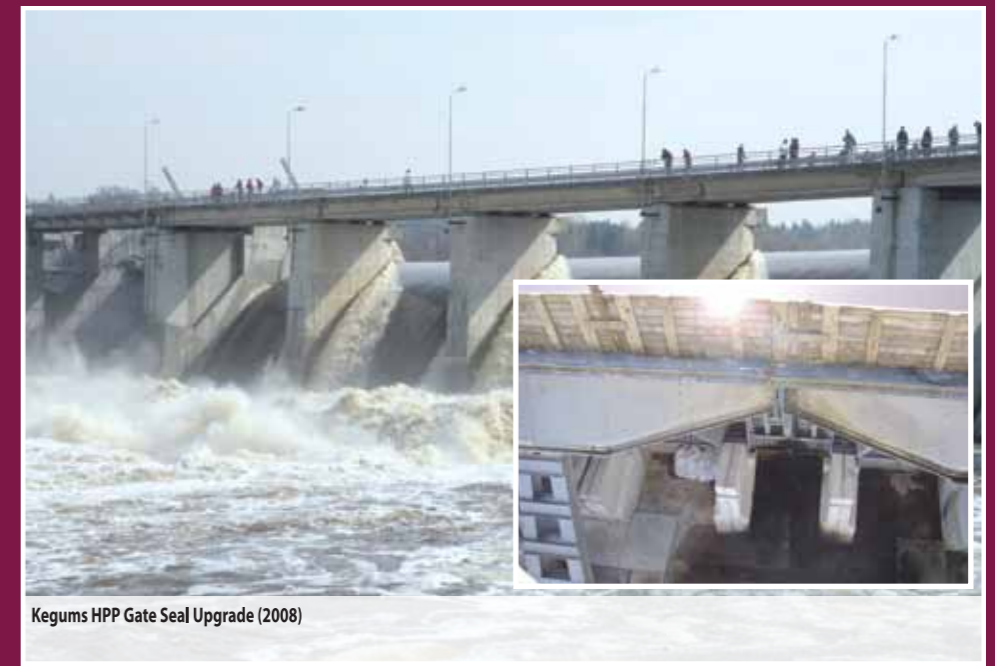
Riga TPP - 2
Capacity: 600 MWel



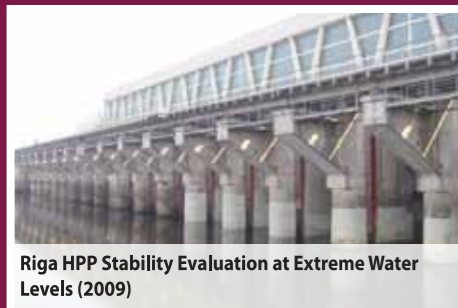
Upgrade and Supervision of Plavinas, Kegums, and Riga HPP Technological Equipment (2007)



Plavinas HPP Hydropower Unit Upgrade (2008)



Kegums HPP Gate Seal Upgrade (2008)



Riga HPP Stability Evaluation at Extreme Water Levels (2009)

RIGA DAM Head - 18 m
Capacity - 402 MWel
Reservoir - 256 mil. m³



Inspection and Renovation of Riga HPP Railway Bridge (2009)

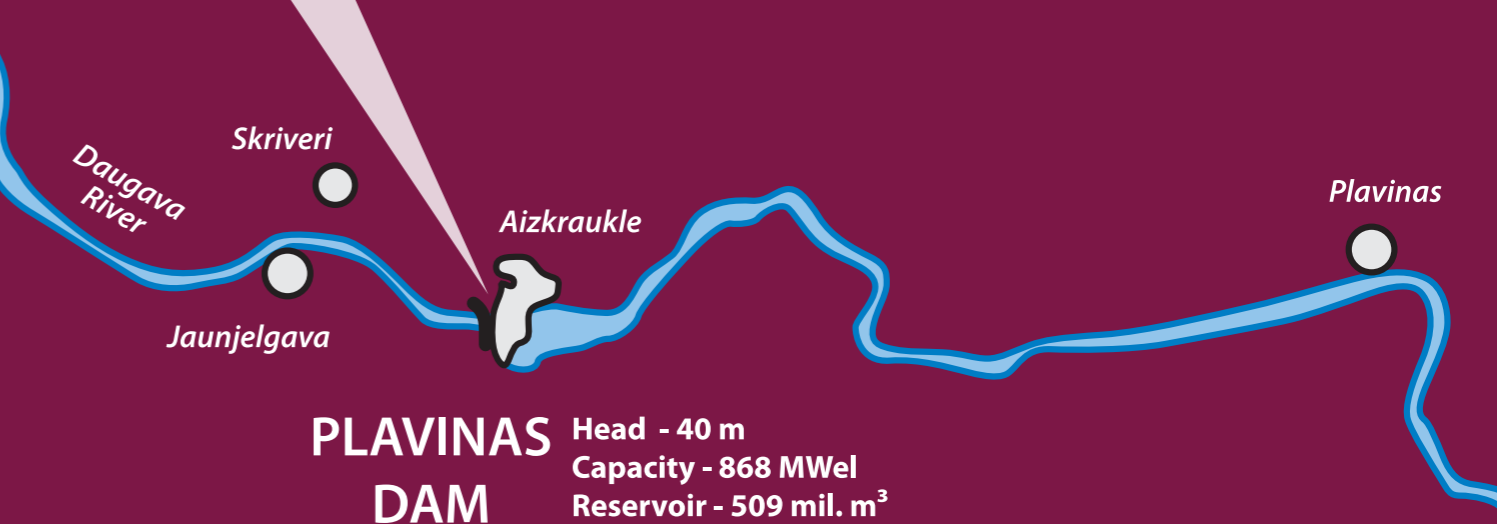
KEGUMS DAM Head - 14 m
Capacity - 261 MWel
Reservoir - 168 mil. m³



Inspection and Renovation of Reinforced Concrete Structures of Plavinas HPP Spillway Piers and Gate Cranes (2008)



Project Management and Supervision of Riga HPP Drainage Channel Renovation (2008)



PLAVINAS DAM Head - 40 m
Capacity - 868 MWel
Reservoir - 509 mil. m³



Plavinas HPP Upstream



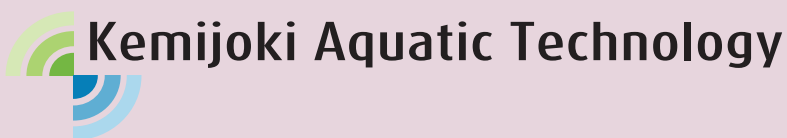
Kegums HPP Spillway



Plavinas HPP Spillway



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