Japan – Bulgaria Business Forum 2025

Toshiba's Footprint and Achievement in Bulgaria

Toshiba Energy Systems and Solutions Corporation 25th of June 2025



Agenda

01 Business Domain

02 Toshiba's Footprint in Bulgaria

03 Experience in Bulgaria



Business Domains



Toward the realization of sustainable society



Overview of our contributions to carbon-neutral society

Industrial IoT service 'TOSHIBA SPINEX for Energy' Confidential



Toshiba's References in Balkans



Our footprint in Bulgaria





Chaira Pumped Storage Power Plant Construction Project

Project Overview

- NATIONAL ELECTRIC COMPANY
- Output : 4 x 216MW
- Maximum head : 701m (World's highest head at that time)
- Contracted in 1980
- COD: 1# 1994/#2 1995/#3 1999 /#4 1999

Key Highlights

- First pump-turbine applying real-head model tests to solve runner vibration issues
- Technical transfer & local manufacturing for pumped turbine and generator
- Due to political & economical circumstances, the construction schedule experienced significant delays and spanned nearly 20 years.



Maritsa East 2 Thermal Power Plant Modernization Project

Project Overview

- Maritsa East 2 TPP EAD
- Output: 4 x 177MW、4×225MW
- A modernization project for the Balkans' largest TPP built in the 1960s–80s (Non-Toshiba machine)
- Contracted in 2003
- Collaboration with Mitsui and IHI with JBIC finance
- Project Period : 2003 2016

Key Highlights

- After COD, Toshiba has been providing the technical supports to ME2 under framework agreement.
- Struggled to understand Bulgarian legal framework and required documentations to obtain the permits
 - Required extensive discussions with ME2, beyond initial expectations





Key Highlights

- Contracted in Jan 2025 (The prime contractor is Bulgaria Branch.)
- MOU between MoE and METI in Sep 2024
 - A successful case realized through public-private collaboration
- Technical collaboration with NEK and MoE
- This repair work is significantly complex and requires exceptional engineering capabilities.
 - Strong Bulgarian expectations for Japanese technology and quality



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