

ABOUT THE COMPANY

MP Ensystems Advisory Private Ltd. is a Mumbai-based thesis-driven private consulting firm established in 2012 in the energy and environment sector.

The firm has introduced clean energy efficiency in the built environment, promote low-carbon transportation, embed renewable energy within industrial processes and develop techno financial interventions to green the rural value chain.



OUR EXPERTISE



Designing and implementing programs in energy efficiency, demand side management



Assisting in renewable energy implementation, including solarization of MSMEs



Training and capacity building for discoms, businesses



Provide policy inputs on demand flexibility

OUR MILESTONES

2011-13

Founding team supported 10 state electricity regulatory commissions in developing demand side management (DSM) regulations

2013

Promotion and advancement of clean energy deployment

2014

Policy opportunities for energy efficient residential water heating

2014

Developed standard offer programs, including developing alternative institutional mechanisms for scaling up DSM

2022

Undertook Stakeholder Initiative for Energy Efficiency and Demand Flexibility with partners, including developing a techno-economic model for demand flexibility (DF) and creating a regulatory framework to support discoms

2024

Comprehensive assessment report for a green corridor including solar PV on warehouse, green energy to villages and EV hubs

2024

Solarization of MSMEs using RESCO model, through rooftop solar systems (RTS) within the micro, small, and medium enterprises (MSME) sector in Maharashtra

2024

Demand Flexibility program design and deployment and assistance to Maharashtra commission for first ever DF regulations

TOOLS | DEMAND FLEXIBILITY SIMULATION TOOL

This software as a service (SaaS) tool helps distribution utilities plan demand flexibility requirements to optimize renewable energy resource use, estimate incentive structures, and design cost-effective DF programs, ultimately reducing generation costs.

BENEFITS OF DEMAND FLEXIBILITY SIMULATION TOOL		
BENEFITS TO DISCOMS	BENEFITS TO RE GENERATORS	BENEFITS TO REGULATORS AND POLICY MAKERS
Helps discoms optimise RE deployment and demand management	Reduces generation costs and curtailment	Helps to understand viability and effectiveness of the DF/DSM program

TOOLS | TRIM- TOOL FOR REAL-TIME INFRASTRUCTURE MANAGEMENT

The TRIM dashboard is a web-based platform that monitors and analyzes energy consumption in the built environment. It provides real-time insights using smart meters, helping facility managers optimize energy use, reduce costs, and identify operational inefficiencies.

Key Features:

- **Real-Time Monitoring:** Tracks energy consumption through smart meters.
- **Cost Optimization:** Identifies opportunities to reduce energy costs.
- **Scalability:** Can be implemented across multiple levels or facilities.
- **Data Visualization:** Offers reports, trends, and energy visualizations for better decision-making.

INITIATIVES | TATA POWER - WATER PUMPING INITIATIVE

MP Ensystems supported a pilot project to shift bulk pumping loads to solar hours at the Brihanmumbai Municipal Corporation (BMC) pumping station in Bhandup, in collaboration with Tata Power. The goal was to assess the techno-economic benefits of this initiative.

Key Highlights:

- **Project Duration:** 23-day trial in December 2023
- **Load Shift:** 345 kW of daily load successfully shifted to solar hours
- **Environmental Impact:** Offsetting 21 tonnes of GHG emissions
- **Future Potential:** A planned 50 MW demand flexibility opportunity in bulk water pumping alone

CONTACT US

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