

NEDO Continues joint efforts for Smart Grid with India

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NEDO's projects in India





Ongoing Projects

- 1 Solar Power and Micro-Grid System (2014 2019)
- Management System in Telecom Towers (2012 2016)
- 3 Smart Grid Project (2014 2018)
- 4 High-Performance Industrial Furnace (2014 2018)
- 5 Energy Center for Steel Plant (2014 2019)
- (6) ICT Based Green Hospital (2014 2019)

Completed Projects

- Micro Hydropower Turbine (FS 2015)
- 8 Feasibility Study for USC Coal-Fired Power Plant (FS 2015 2016)
- Feasibility Study for High-efficiency Coal Utilization Systems (FS 2015 – 2016)
- Sinter Cooler Waste Heat Recovery System (2009 2014)
- Highly Efficient Coal Preparation System (2008 2014)
- (2006 2011)
- Waste Heat Recovery System of Steel Plant (2001 2004)
- Waste Heat Recovery System of Cement Plant (2001 2004)
- 15 Dual-Fuel Generation System (2008 2011)
- (6) Capacity Building Project (2009 2011)

NEDO Smart Grid solutions in India



Smart Grid challenges in India:

- [Supply] Rapid increase in Demand / Grid stabilization / AT&C loss / GHG emission
- [Demand] Energy conservation / Energy access

Solutions

NEDO Projects

Supply

Smart Grid (Smart Meter, EMS)



- Solar Power and Micro-Grid System PJ
- > Smart Grid PJ

Supply /Demand

Battery (Grid stabilization)



PJ Under discussion with MNRE

Supply Demand

EMS
(Optimization of Supply & Demand)



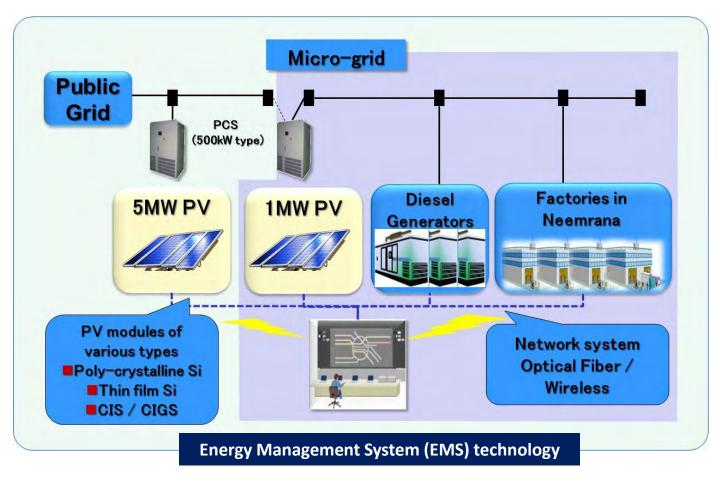
- ➤ ICT Based Green Hospital PJ
- Energy Center for Steel Plant PJ

Solar Power and Micro-Grid System (NEDO



NEDO Project in Neemrana Industrial Zone consists of two components

- 5MW PV power generation system project
- Micro grid consisting of 1MW PV power generation system integration with industrial DG sets.

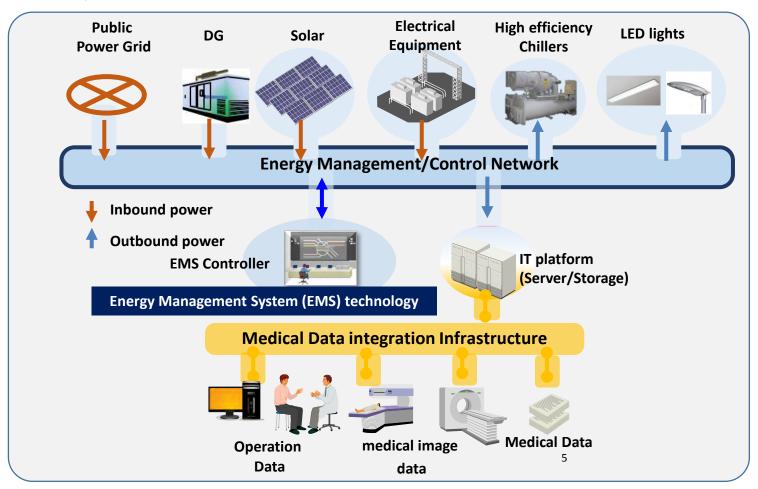


ICT Based Green Hospital



The objectives of this demonstration project is to

 Enable the tracking and visualization of a hospital's overall energy use by putting an IT system environment in place and upgrading to highly efficient systems and equipment such as PV and LED.

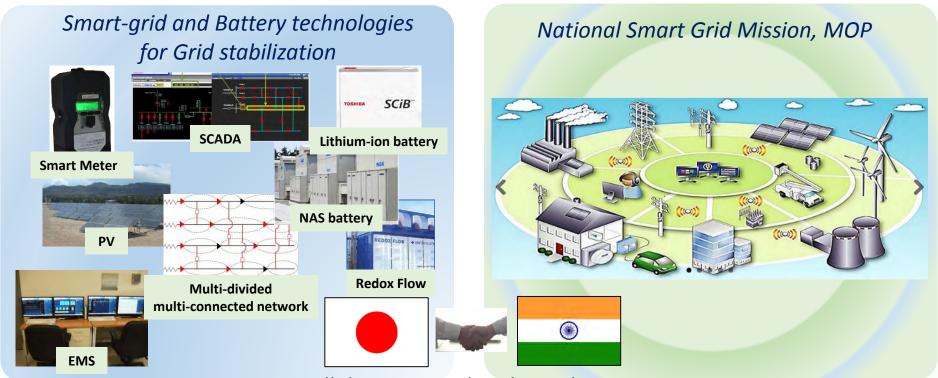


Continue joint efforts for Smart Grid with India



NEDO continues "Working together" for Smart Grid with India based on Smart Community Concept

- ✓ Stabilization of electricity supply with demand side management
- ✓ Promotion of energy saving
- ✓ Creation of disaster resistant communities







www.nedo.go.jp/english/

Thank you!