

Strategy for NAPSI Technical Assistance to Mongolia

ASG Symposium

Philippe LIENHART EDF Seoul, October 30th, 2017





EDF Group: a Responsible Industrial Firm with corporate social responsibility goals

1 Low carbon policy

Go beyond the requirements of the 2 °C trajectory set by COP21 by drastically reducing our CO₂ emissions.

3 Responsibility

Offer all vulnerable people information about and support with energy use and energy benefits.

5 Concertation

Systematically organise a process of transparent and open dialogue and consultation for every new project around the world.

2 Respect for people

Integrate best practice in the way we develop our people: health and safety, gender diversity and internal development.

4 Innovation

Innovate through digital energy efficiency solutions to enable all customers to use energy better.

6 Environment

Launch a positive approach to biodiversity, not limited to understanding and reducing the impacts of our activities in the long run but having a positive effect on biodiversity.

36.7 million

160 000

€71billion 584TWh

customers worldwide

employees

sales

electricity generation

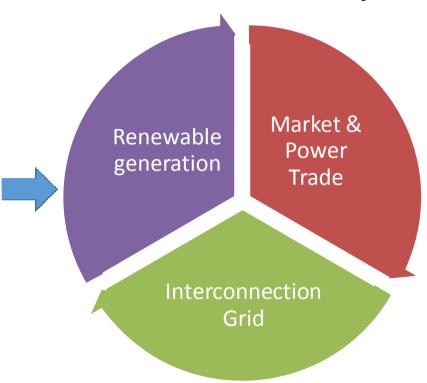
The contract consists in a support to Mongolia State (EA) for entering the NAPSI discussions with a consensual project based on the huge Renewable Energy Potential.

EDF's recognized experience in Power System Integration in a region representing 25% of the world GDP

EDF with: Nova Terra in Mongolia China EPRI

Cooperation with PJSC ROSSETI

3 MASTER PLANS over 20 years





WS1: Methodology and Work Organization

Module 1: Inception Mission Data collection

Module 2: Market & power trade assessment



Module 3: Planning & evaluation criteria



Module 5: Power system



Module 6: Power Trade and Regulation

& methodology



1 month WS1 in UB 6/2017

- Demand scenarios
- Economic analysis
- Development of technical. financial. political and environmental criteria
- · Analysis of current sector and assessment of renewable potential
- · Identification of suitable areas for solar and wind development
- · Review of current planning and review of technologies for expansion plan
- Analysis of benefits of interconnection
- · Create and enabling environment for power trade
- Promote coordinated regional planning and investment



5 months Interim WS2 in SK 11/2017 8 months WS3 in Japan 3/2018



8 months WS4 in PRC 9/2018



8 months WS5 in UB 5/2019

EDF and **Project** Team added value

- **Updating work** with the latest data: a vision that integrated former studies
- **Coherent vision** of the five independent power systems
- Innovation with dedicated RE potential analysis tool
- **Innovation** with System models that integrate intermittency
- Innovation with experience EDF adaptation to the European free electrical market
- Demand and supply **coherent scenarios** suitable for the regional power systems



Conclusion: Cooperation and Sharing Insights

- Data review
- Results of the prefeasibility studies of the interconnections
- Future energy policies
- EDF Project studies on all aspects



Thank you for your attention! 관심 주셔서 감사!

