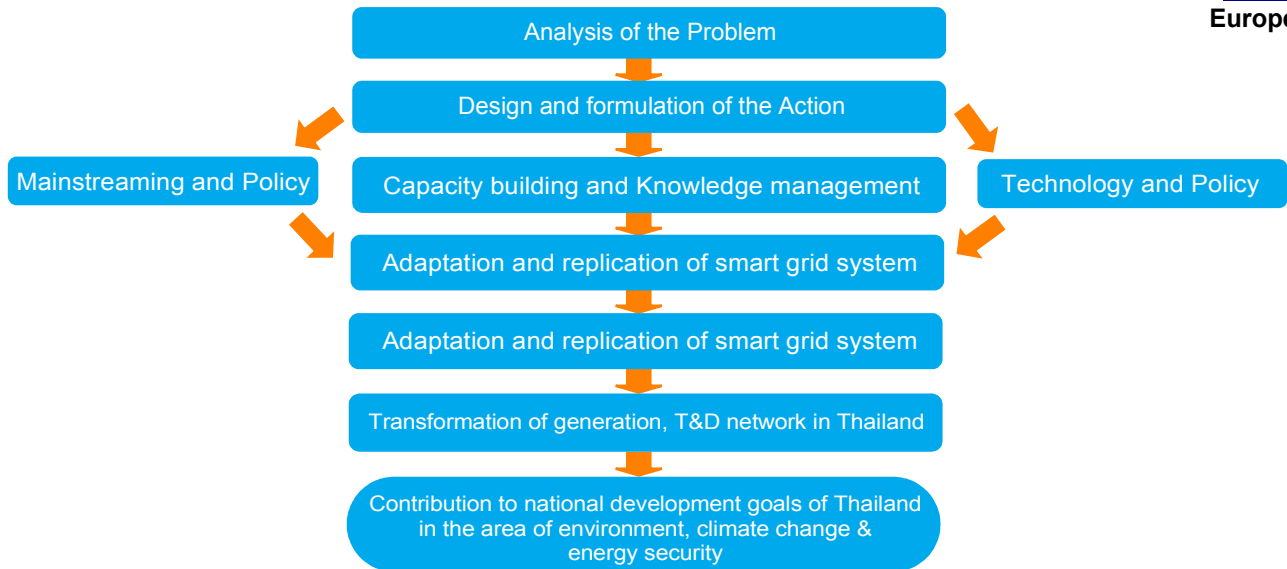


Conceptual Framework



Main Actors/Stakeholders

- Small-to-medium-sized industries who are users of energy or suppliers of energy equipment in Thailand
- Utilities and technology suppliers in EU
- Private generating companies in Thailand, such as: IPPs; SPPs; VSPPs
- Utilities on generation, T&D in Thailand i.e. EGAT; PEA; MEA
- Relevant Government agencies in the energy sector i.e. MoE; DEDE; EPPO; ERC

Thailand-EC Cooperation Facility - Phase II

Smart/Intelligent Grid Development and Deployment in Thailand
(Smart Thai)

SMART GRID

A Solution for Future Power Control and Management



131 Moo 9, Room 215, Innovation Cluster 1 Building,
Thailand Science Park, Klong 1, Klong Luang
Pathumthani 12120 Thailand
Tel: (662) 564-7921
Email: info@wadethai.org
Website: http://www.wadethai.org



UK Contact Details
Edinburgh Quay, 133 Fountainbridge
Edinburgh EH3 9BA
United Kingdom
Tel: +44 (0)131-6253333
Website: http://www.localpower.org



Room 201, Innovation Cluster I Bldg.
131 Thailand Science Park
Paholyothin Rd., Klong 1, Klong Luang,
Pathumtani 12120 Thailand
Tel.: (662) 564-7923
Email: ExecutiveDirector@ull-advantage.com
Website: http://www.full-advantage.com

Objectives of the Project

- Improvement of the sustainable economic and social development of Thailand through the efficient delivery of sustainable, economic and secure electricity using Smart/Intelligent Grid systems based on EU models and technologies
- Transformation of the generation, transmission and distribution network of Thailand through the enhancement of the capacity of Thai private and public sector organisations in introducing and promoting Smart/Intelligent Grid systems thereby contributing to the national development goals of Thailand in the area of environment, climate change and energy security

Major Components of the Project

- Component 1: Mainstreaming Smart/Intelligent Grid systems in the generation, transmission and distribution activities in Thailand
- Component 2: Capacity building, knowledge management and institutional development
- Component 3: Supporting the introduction of pilot Smart/Intelligent Grid systems



Smart Grid in Principle

A Smart Grid delivers electricity from suppliers to consumers using two-way digital technology through control automation, continuous monitoring and optimisation of distribution system, in order to save energy, reduce consumers' cost and improve reliability.



Smart Grid opens up communication among all the power system players, providing vertical information to all participants. The result is innovation of control model, higher quality of electricity and customer service, access to cleaner energy, demand response control and more sensitive energy technologies. This makes Smart Grid the solution of future power control and management, which could lead to a world that is more green, convenient and efficient.