



Malaysia Energy Efficiency & Solar Thermal Project - MAEESTA



Project Introduction
Marlene Sayer, UNIDO



Partners



Funding Agency: Global Environment Facility (GEF)



Implementing Agency:
United Nations Industrial Development Organization (UNIDO)



Executing Agency:
SIRIM

Stakeholders:



MOSTI, KeTSA, MITI, EPU,
MNRE, SEDA, ST, MGTC,
SME Corp, SERI (UKM),
FMM

Project Objective

To reduce Green House Gases (GHG) Emissions in Targeted Industrial Sub-Sectors Through Energy Efficiency (EE) and Application of Solar Thermal System.

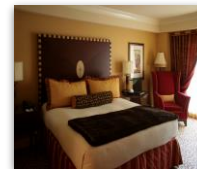
Focus Sectors



Industry

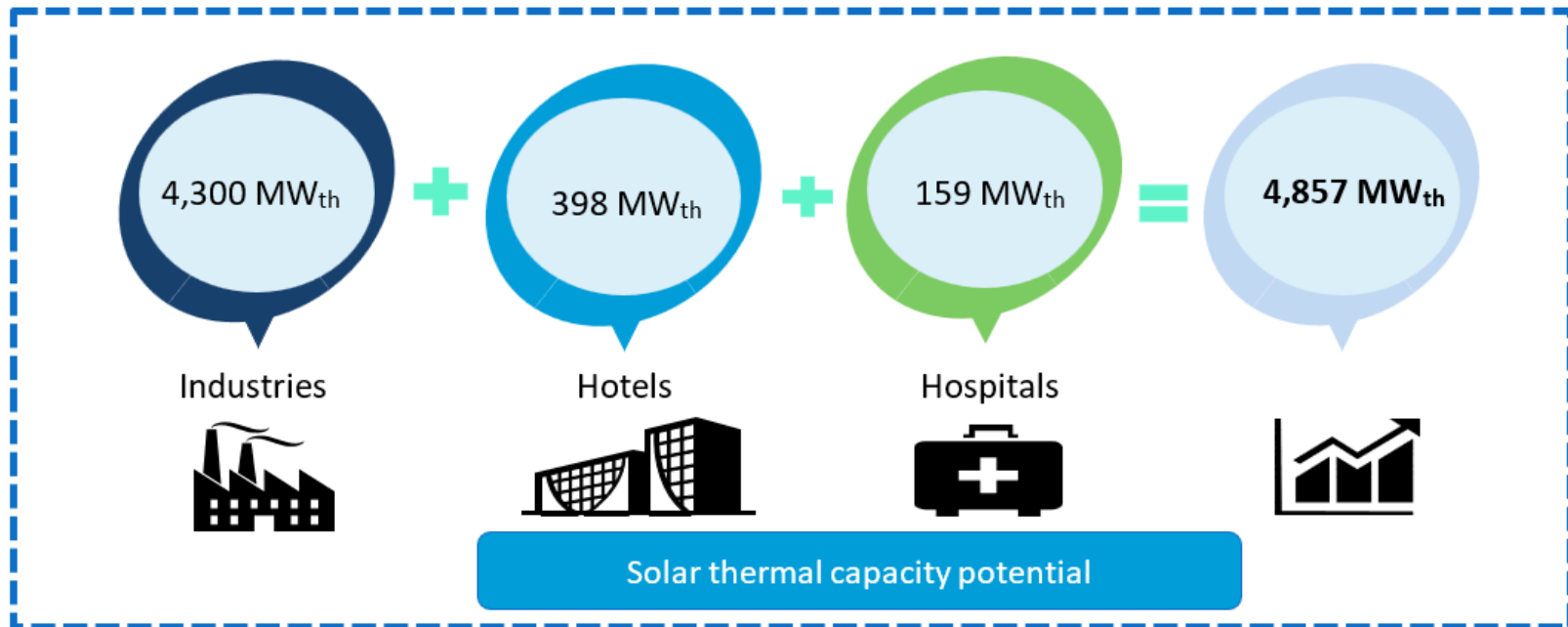


Hotel



Hospital

Why SHIP project?



Project Components



Component 1 - Regulatory framework, support program and financial incentive scheme

- Policy papers and financial incentive schemes established and endorsed by stakeholders.

Component 2 - Capacity building & Awareness Raising

- Awareness and capacity of stakeholders in 5 targeted industrial sub-sectors strengthened and utilized.

Component 3 - Upscaling and Demonstration Project

- Thermal EE and solar thermal technology demonstrated and deployed in 5 targeted industrial sub-sectors.

Component 1: Policy

- Solar Thermal Market Analysis for Malaysian Industries & Deployment Plan
- Energy Efficiency Conservation Act (EECA) will include thermal
- Review existing policy – National Energy Efficiency Action Plan (NEEAP)



Financial



Policy and Regulatory



Technology and R&D



Testing, Certification and
Standardization



Awareness and Capacity
Building

Component 2: Capacity building

- Training programme design

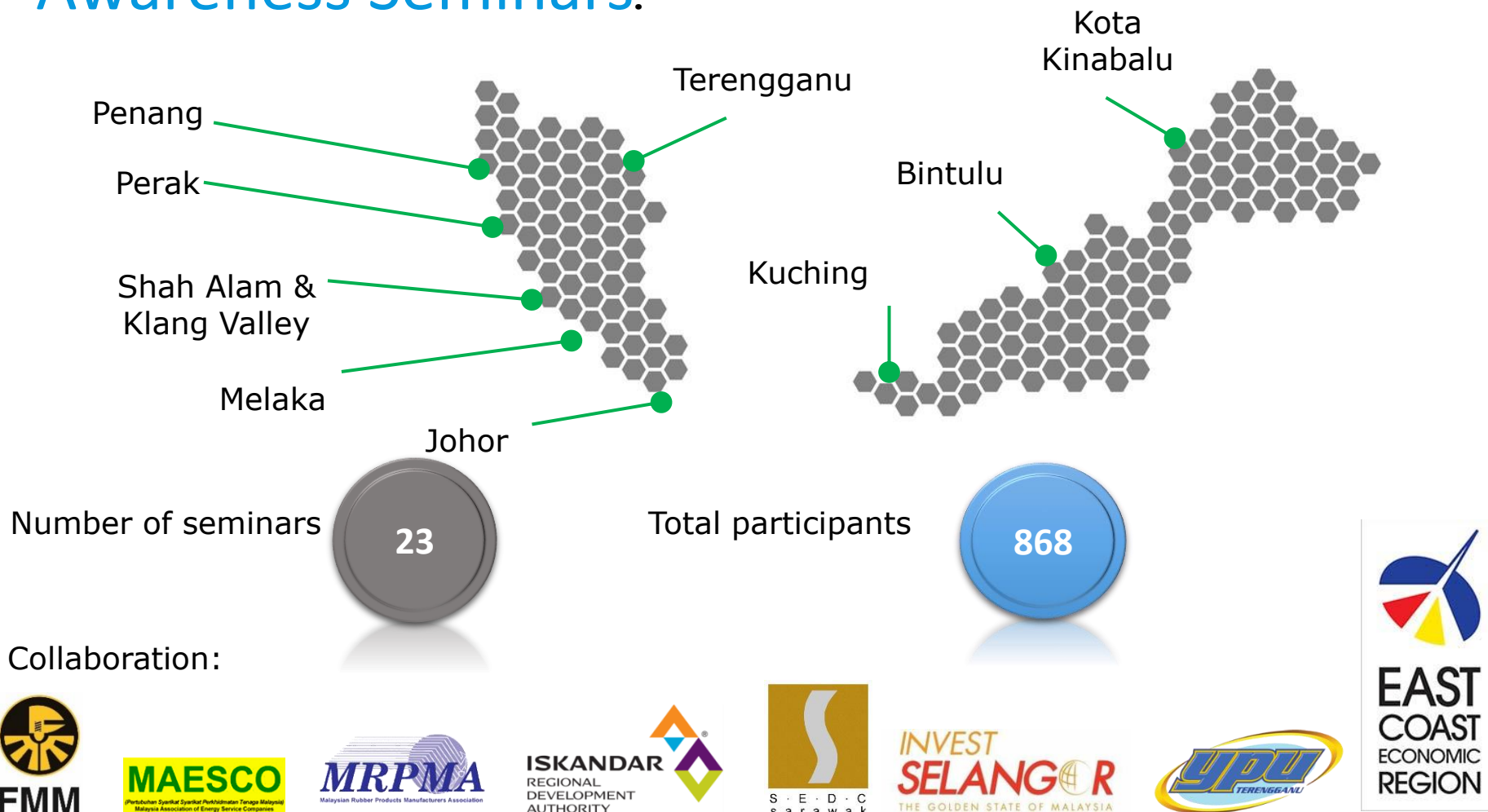
Training programme on energy efficiency based on process heating and cooling and solar thermal technology conducted for service providers, consultants, research institutes, universities and industries.



User Training	Expert Training Program		
2 Days User Training	Course 1 4 Days	On the Job Training 6 months	Course 2 4 Days

- Expert Course 1: Energy Efficiency
- Expert Course 2: Solar Thermal Technology

Awareness Seminars:

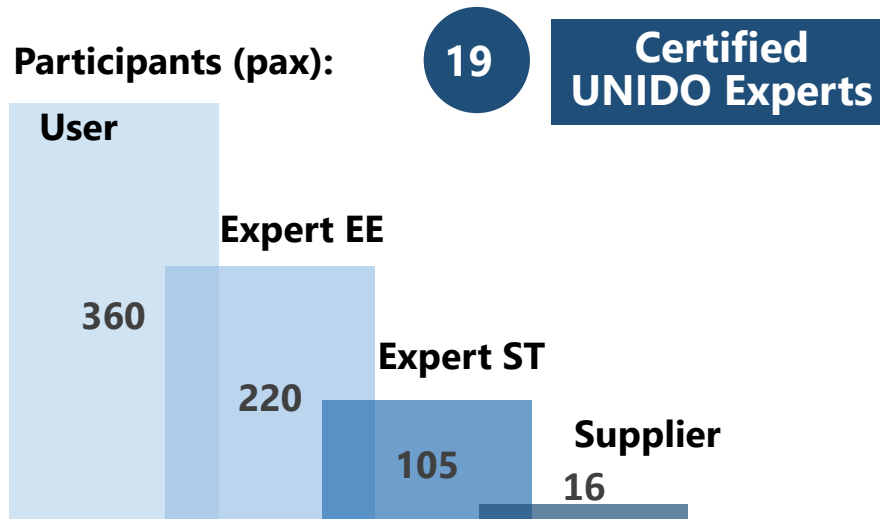


Training Achievements

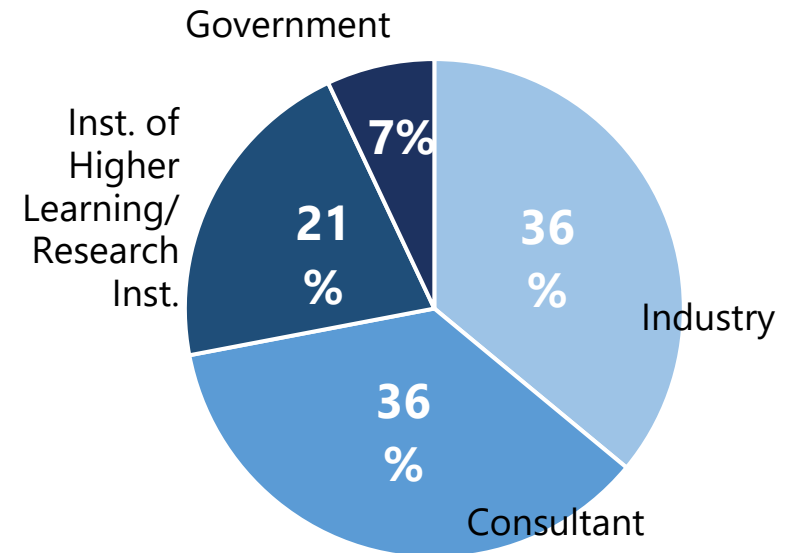
Training Organized:



Participants (pax):

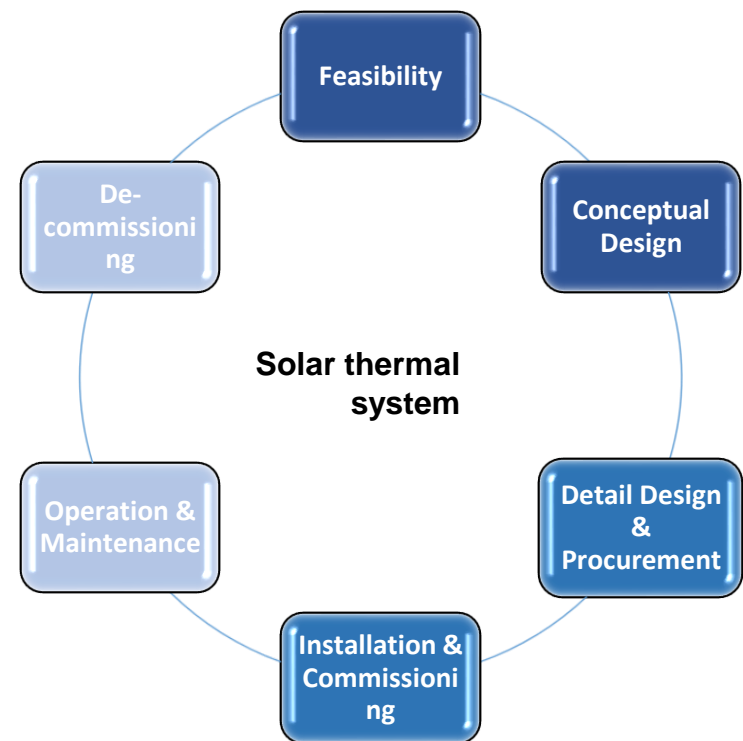


Category:



Component 3: Demonstration Projects

- 3 ST Demonstration projects installed (one will be funded 30% by project)
- Evacuated Tube, 240m²
- Flat Plate, 100m²
- Evacuated Tube, 392 m²
- 8 EE Demonstration projects
- More in the pipeline





UNITED NATIONS
INDUSTRIAL DEVELOPMENT ORGANIZATION



SUSTAINABLE DEVELOPMENT GOAL 9
INDUSTRY, INNOVATION AND INFRASTRUCTURE

Thank you for your attention



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