Technology Roadmaps And Lists; Supporting The Uptake Of EE Products In Asia

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We work with businesses, governments and multilateral organisations, helping them contribute to and benefit from a more sustainable future.

Est. 2001
nineteen years of global experience

30+
over 30 nationalities on our expert team

5
working across five continents
ASEAN Low Carbon Energy Programme developing roadmaps for the implementation of Energy efficiency motors minimum and high Energy performance standards

Technology lists as mechanism to support EE product uptake
The ASEAN Low Carbon Energy Programme (ASEAN LCEP) is a £15m aid programme of the UK’s Prosperity Fund. In close collaboration with local and international entities from both the public and private sectors, the programme seeks to help ASEAN harness the benefits from the deployment of low carbon energy by leveraging the UK’s extensive and proven expertise in green finance and energy efficiency.

**2 key pillars**
- Green Finance
- Energy Efficiency

**4 areas of support**
- Policy support
- Promotion / Awareness Raising
- Product Standards
- Pilot Projects

**6 partner countries**
- Indonesia
- Malaysia
- Myanmar
- Philippines
- Thailand
- Vietnam

**Targeted impacts**
- **Primary benefits**: Inclusive growth and poverty reduction through increased energy efficiency and adoption of low carbon energy, through the use of green finance
- **Secondary benefits**: Improved trade in green finance, energy efficiency and low carbon technology between partner countries and rest of the world, including the UK

**Timeline**
- Inception phase: Mar to Sep 2019
- Implementation phase: Sep 2019 to Mar 2022

Interventions are designed based on stakeholder inputs, analysis of barriers and assessment of donor activities.
Support the uptake and implementation of Minimum and High Energy Performance Standards for electric motors

- Review the electric motors market to quantify what the GHG emissions impact would be if there were more stringent regulations
- Encourage the adoption of harmonised product test standards aligned with IEC 60034
- Develop a national roadmap for MEPS and HEPS adoption
- Review the MEPS and HEPS Monitoring, Verification and Enforcement framework at a national level
Implementation roadmaps provide early warning of changes for all stakeholders

A country roadmap for implementing high efficiency motors

Government actors

Manufacturers

Industry
Technology lists - visibility of the most efficient products from a trusted source

Barriers
- Lack of trusted information sources
- Lack of visibility of EE products
- No motivation to spend more or higher quality products
- No way to prove a product is green

Tool:
A list or catalogue of approved products which reach a certain threshold of performance validated by a trusted party

Uses
- Reference point for a fiscal incentive such as tax relief
- Procurement tool
- Quality Assurance
- Performance validation
- Certification

Outcomes
- Customer confidence
- Non-experts can get the information they need
- Market competition
- Product innovation
- Lower perceived risk
- Tool for green finance
EBRD’s Green Technology Selector

- GTS was developed as a tool that helps in identifying technologies eligible for EBRD financing.
- Launched in 2018 it is available in EBRD areas of operation
- Each country has a market-specific ‘Green Technology Selector.’
- Financial institutions, banks, leasing companies, microfinance institutes are referring to GTS as a technical eligibility assessment tool:
  - integrating it into their existing processes to de-risk their investments in any green project
  - developing specific products using the GTS e.g. a specific loan product
- Attracts available green finance
- Lowers transaction costs by reducing the need for technical due diligence
Carbon Trust role: expanding the GTS in to China

The Carbon Trust is working with the EBRD to support the expansion of the Green Technology Selector (GTS) in China. This involves identifying priority green technology areas, registering local manufacturers to the GTS and conducting initial engagement with key Chinese stakeholders, including industrial associations, government authorities and leading financial institutions.

Five key actions will be taken during this phase:

- Market analysis
- Marketing material development
- Initial stakeholder engagement
- Initial GTS population (Target: 50 manufacturers)
- Next phase stakeholder mapping
Thank you

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