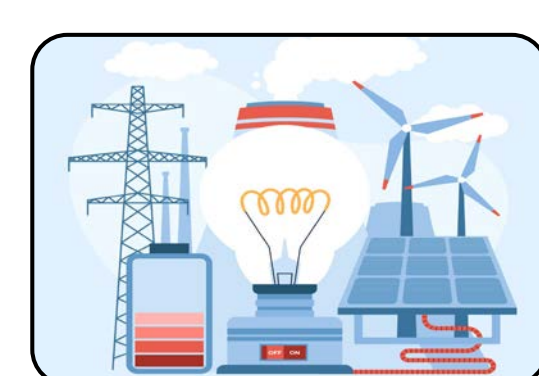


1. Introduction

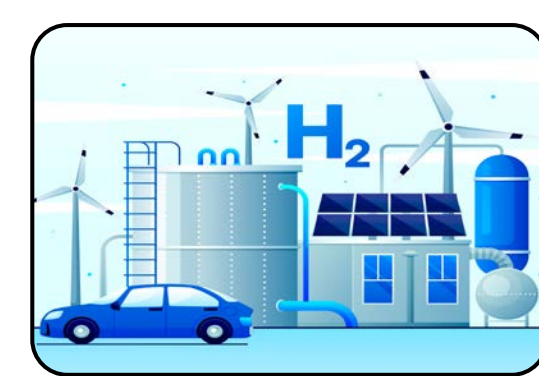
The Energy Efficiency Focus Group (EEFG) of the Asia Pacific Metrology Program (APMP) plays a pivotal role in improving energy efficiency and sustainability in the Asia Pacific Region. Through collaboration between national metrology institutes, industry leaders, and stakeholders, APMP-EEFG addresses key measurement challenges and promotes standardized methodologies that support energy transitions.

2. Key Achievements



Advancing Metrological Capabilities

- Energy efficiency
- Renewable energy
- Green building



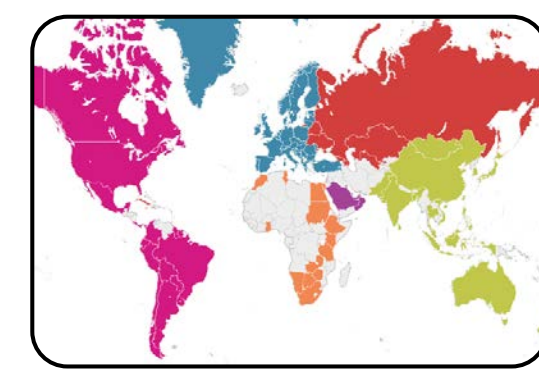
Supporting emerging energy technologies

- Electric vehicles
- Hydrogen
- IOT energy & Smart Electricity Grids



Adoption of Clean Energy Solutions

- Facilitating the use of metrology to enhance energy efficiency across industries during various phases of each country's energy transition.



Enhancing Collaboration

Working closely with APMP technical working groups and the cross-regional Energy Working Group.

Cross-Disciplinary Technical Challenges in Energy Metrology

Thermal Energy (TCT)

Energy Flow (TCFF)

Electricity (TCM)

Solar Energy (TCPR, TCEM)

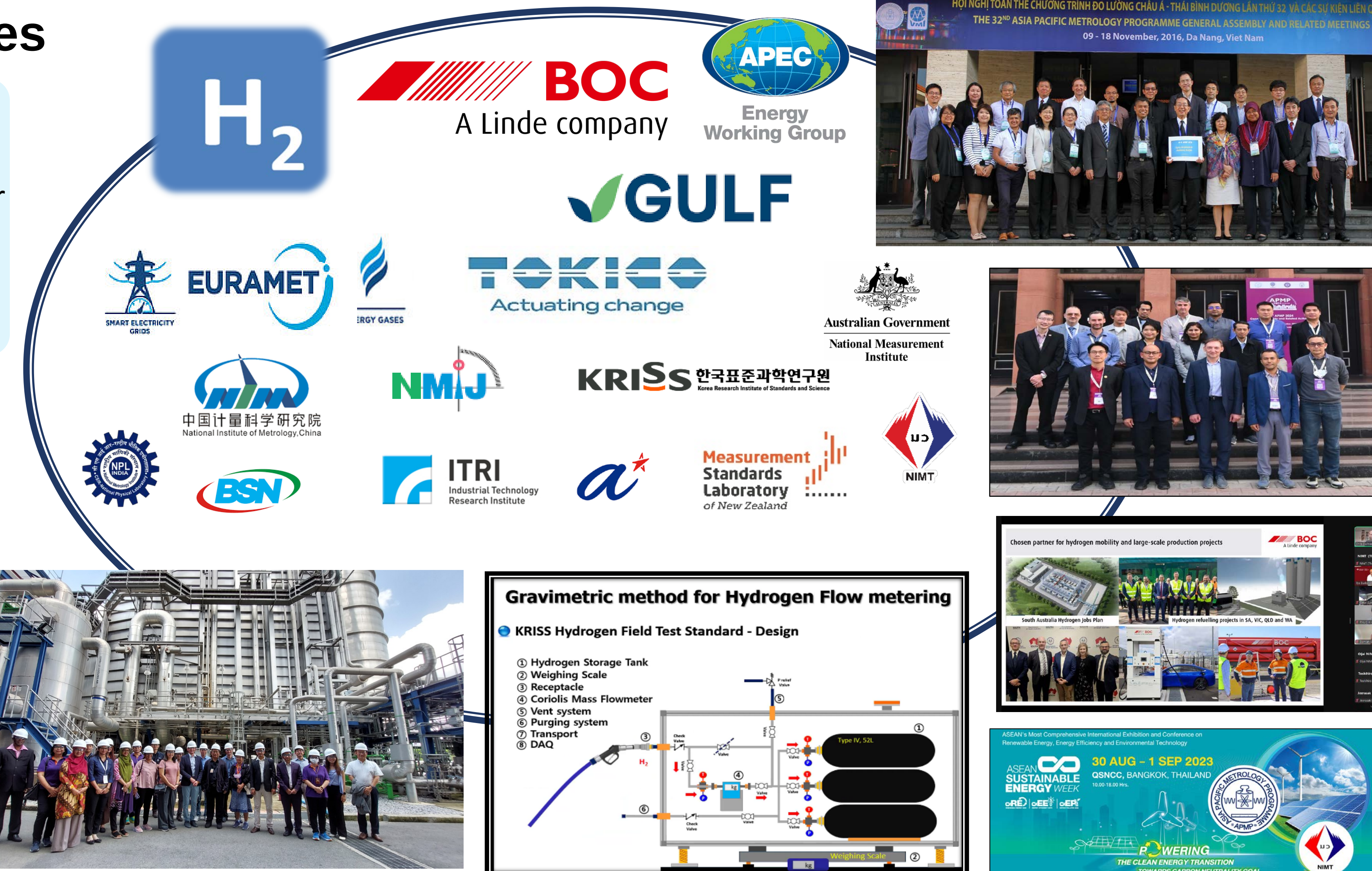
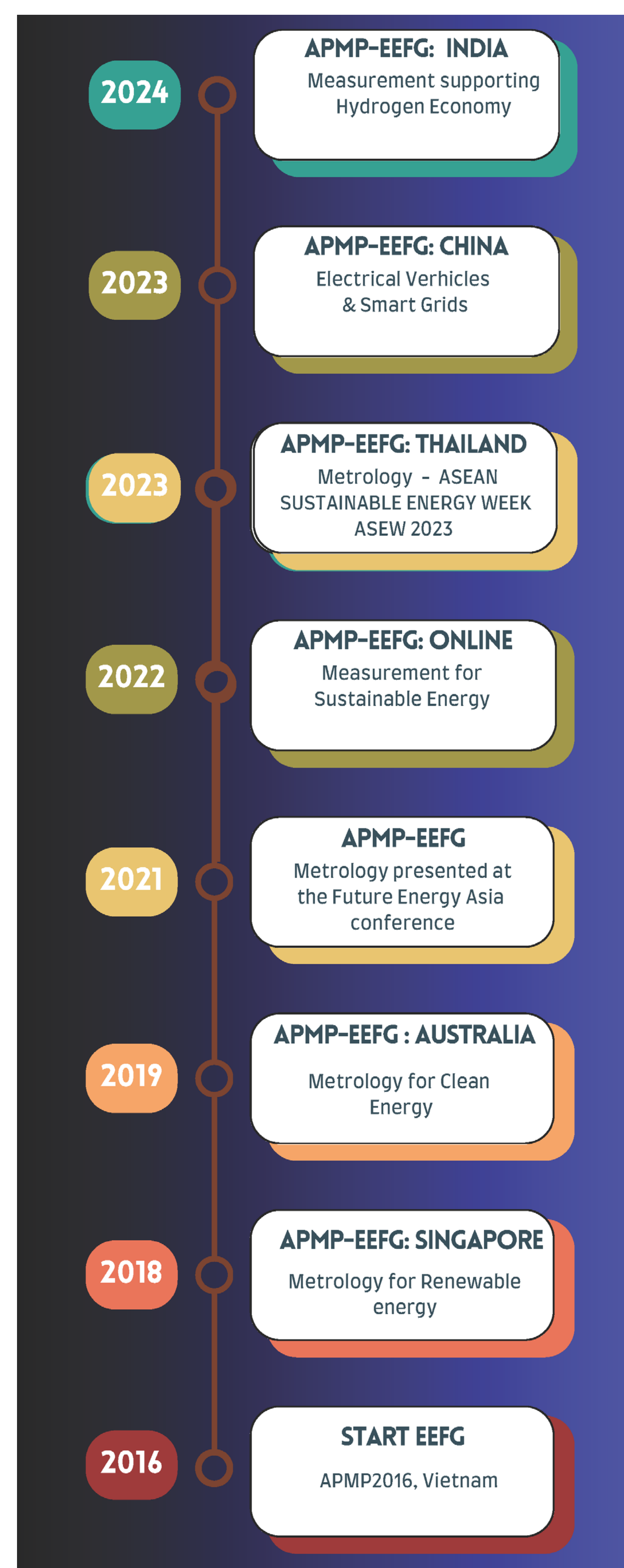
EV Car (TCM, TCM)

Hydrogen Energy (TCQM, TCFF)

Energy Efficiency (TCT, TCEM, TCPR, TCFF)

3. APMP-EEFG Focus Group Activities

- Organizing key workshops (2016 – present)
- Addressing measurement encountered issues
- Opportunities for metrology collaboration with other regions to support global energy transitions.
- Meeting the demands of energy stakeholders
- Driving new energy innovations



4. Conclusion

- APMP-EEFG Contribution to energy transition to net zero in the Asia Pacific.
- Promoting sustainable energy measurement practices.
- Supporting regional economic growth.

Challenges and Opportunities:

- Addressing gaps in metrological capabilities across different countries & regions.
- Strengthening collaboration between metrology institutes and energy stakeholders.
- Exploring opportunities for global metrology partnerships to support worldwide energy transitions.

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APMP-EEFG website & Meetings Slides

