

Programme (September 2023)

Fact-Finding Mission from Malaysia to Germany on Energy Infrastructure and Storage with a Focus on Hydrogen 06.-10. November 2023

Timeframe: 06.11. – 10.11.2023

Monday, 06.11.2023	
Individual Arrival	Individual Arrival at Berlin/Brandenburg Airport & Hotel in Berlin
17:50 Uhr	Gathering at the lobby of Hotel
	Get-together Dinner
18:00 – 20:00	Briefing on the Fact-Finding Mission Introduction round of participants <i>(Restaurant to be determined, meal costs to be borne by participants)</i>
Tuesday, 07.11.2023 Introductory Event & Visit to Convention	
08:15 Uhr	Gathering at the lobby of Hotel
08:30 Uhr	Group transport to event location
Introductory event on Energy Infrastructure and Storage with a Focus on Hydrogen	
08:45 – 09:00	Arrival and registration of participants
09:00 – 09:05	Welcoming remarks Aliya Azahar, Malaysian-German Chamber of Commerce (MGCC)
09:15 – 09:30	Opening address Malaysian Embassy in Germany
09:15 – 09:30	Energy transition in Germany – Differences, similarities and synergy effects with the Malaysian energy sector Andreas Zötl, Regional Manager, Oceania and Asia, Office of Export Initiative Energy
09:30 -09:40	Q&A Session
09:40 -10:00	Alternative drive trains in Germany: status quo and perspectives Dr. Till Gnann, Fraunhofer ISI
10:00 – 10:10	Q&A Session
10:10 – 10:30	The German Hydrogen Market: Status Quo and Targets Sven Morgen, Deutscher Wasserstoff- und Brennstoffzellen-Verband (DWV) e.V.
10:30 – 10:40	Q&A Session
10:40 – 11:00	Coffee break and Get-together

Organizers:



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Malaysian-German Chamber
of Commerce and Industry
Deutsch-Malaysische
Industrie- und Handelskammer

11:00 – 11:20	Green Hydrogen as Game Changer for Berlin's Energy Transition Dr. Jörg Buisset, Vorstandsvorsitzender, H2Berlin
11:20 – 11:30	Q&A Session
11:30 – 11:50	Energy storage markets and the developments in Germany Turkan Maharramova, German Association of Energy Storage Systems / Bundesverband Energiespeichersysteme e.V. (BVES)
11:50 – 12:00	Q&A Session
12:00 – 13:00	Presentation of German companies (if necessary)
13:00 – 14:00	Get-together, Matching & Networking
14:00	End of introductory event
14:00 – 15:30	Group transport
15:30 – 18:00	Visit to Smart Country Convention, Berlin (Hub 27, Berlin Exhibition Grounds) The Smart Country Convention is Germany's leading event for the digital transformation of the public sector. National and international companies, institutions, organizations, public authorities and associations present their ideas, concepts and solutions for a modern administration and smart cities. https://www.smartcountry.berlin/en/
18:00	Group Transfer to Hotel
Wednesday, 08.11.2023 Visits on Infrastructure and H₂	
08:00	Gathering at the lobby of Hotel Group Transport by bus
10:00 – 12:30	Guided tour to the energy self-sufficient village of Feldheim Energy storage, grid integration, bioenergy One of the most spectacular integrated concepts for supplying businesses, private households and local government with renewable energies on a decentralised, regenerative basis was implemented in Feldheim, which belongs to Treuenbrietzen, a town in Brandenburg. The project owes its success to the excellent partnership between the municipality of Treuenbrietzen, the residents of Feldheim and the project developer, Energiequelle GmbH. The individual households in Feldheim are supplied with electricity and heat from renewable energy power plants "on their own doorstep" via independent local grids. Energiequelle GmbH designed the various components of this concept – which includes cutting-edge, state-of-the-art wind power systems and biogas plants – installed them as turnkey systems and linked them via the new heat and power distribution system to form a regional energy supply grid. Further information about the Feldheim Energy Village here: www.energiequelle.de/en/the-energy-self-sufficient-village-of-feldheim/
12:30 – 13:00	Bus transfer
13:00 – 14:00	Lunch
14:15 – 16:30	Visit to Enapter GmbH Production of green hydrogen through AEM Electrolysers Enapter is a company that specializes in green hydrogen technology, specifically through their Anion Exchange Membrane (AEM) electrolyzer technology, which is crucial for producing green hydrogen efficiently and sustainably. Their modular and scalable systems have various applications in industries aiming to reduce their carbon footprint and transition to cleaner energy sources. Further information on Enapter GmbH here: www.enapter.com
16:30	Group transport back to Hotel

Thursday, 09.11.2022 Visits to APEX Energy (with the technology of 2G Energy AG)	
08:15	Gathering at the lobby of Hotel
08:30 – 11:00	Group Transport by bus
11:00 – 15:00	<p>Visit to APEX Energy</p> <p>At its location in Rostock-Laage, within view of the airport, APEX Energy operates the hydrogen power center for Northern Germany. Together with a local partner, Europe's largest grid-connected hydrogen plant was put into operation to supply the entire location with CO2-neutral energy.</p> <p>APEX Energy uses the 2G's CHP to generate power and heat for its own consumption at its location in Rostock-Laage. APEXIS energy storage units are produced in the factory. Hydrogen, produced using an electrolyzer, is required to operate these units. The hydrogen is generated based on power from photovoltaic and wind energy plants. APEXIS storage units are designed as modular systems and offer safe and comfortable power storage at a location selected by the customer. The standard system is designed for 60 bar pressure and features market-leading permeability and patented connection technology.</p> <p>At its opening in June 2020, the expansion phase of the APEX hydrogen plant in Rostock- Laage has an electrolysis capacity of 2 MW, its own hydrogen storage system, a combustion cell with an electrical output of 100 kW, and a 115 kW H2 combined power and heat plant as well as a battery storage unit with 1 MWh capacity. The plant concept is made complete with a hydrogen filling station.</p> <p>Further information here: https://www.2g-energy.com/products/hydrogen</p>
15:00 – 17:30	Group transport back to Berlin
Friday, 10.11.2023 Visit to Siemens Energy AG	
09:00	Gathering at lobby of Hotel
09:30 – 10:00	Bus Transfer / Group Transport
10:00 – 12:30	<p>Visit to Siemens Energy AG, Berlin</p> <p>Siemens Energy is one of the world's leading energy technology companies. The company works with its customers and partners on energy systems for the future, thus supporting the transition to a more sustainable world. With its portfolio of products, solutions and services, Siemens Energy covers almost the entire energy value chain – from power generation and transmission to storage. The portfolio includes conventional and renewable energy technology, such as gas and steam turbines, hybrid power plants operated with hydrogen, and power generators and transformers. A majority stake in the wind power subsidiary Siemens Gamesa Renewable Energy (SGRE) makes Siemens Energy a global market leader for renewable energies. An estimated one-sixth of the electricity generated worldwide is based on technologies from Siemens Energy. Siemens Energy employs around 92,000 people worldwide in more than 90 countries and generated revenue of €29 billion in fiscal year 2022. (www.siemens-energy.com)</p> <p>The Siemens Energy location Berlin Huttenstrasse is the address of the company's global HQ, the manufacturing and service center for large H2-ready gas turbines (100-600MW), the company's European Innovation Center includes the energy landscape simulation and will start the highly automated serial production of proton exchange membrane (PEM) electrolyzer stack with 1GW capacity in late 2023. (https://www.siemens-energy.com/de/de/unternehmen/energysphere-berlin.html)</p>
12:30	Group transport back to Hotel
	End of Fact-Finding Mission