

Location

AIT Austrian Institute of Technology
Giefinggasse 4
1210 Vienna, Austria



Tour through the new AIT DC Lab, a development and validation platform for DC components for manufacturers and system operators for all development stages. Typical applications: testing of breaking capacity under operating conditions and short circuits, and short-time and surge current testing.



CONTACT

Contact at AIT

Elisabeth Mrakotsky-Kolm
Center for Energy

AIT Austrian Institute of Technology GmbH
Giefinggasse 4
AT-1210 Vienna, Austria

elisabeth.mrakotsky-kolm@ait.ac.at

Project Coordinator

Dr. Gerhard Jambrich
Center for Energy

AIT Austrian Institute of Technology GmbH
Giefinggasse 4
AT-1210 Vienna, Austria

gerhard.jambrich@ait.ac.at



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6th General Assembly Meeting, VILLAS
Demo and Stakeholder Event



September 18-19, 2024

HYPERRIDE: Hybrid Provision of Energy based on Reliability and Resiliency via Integration of DC Equipment



This project received funding from the EU Horizon 2020 research and innovation programme under grant agreement [957788](#).

DEMO

VILLAS Demo and Stakeholder Workshop

VILLAS Demo: Demonstration of the potential offered by a geographically distributed hybrid AC-DC grid. Coupling of pilots. Realize coupling with VILLASnode. Show joint research activities of pilots and advancements based on pre-defined use cases.

Demo of the interconnection of:

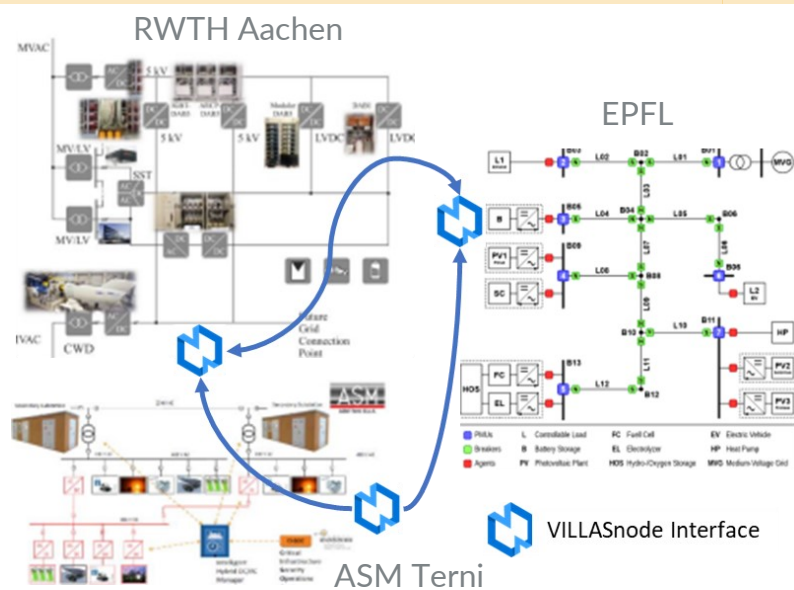
- Selected part of Italian pilot (DC)
- Selected part of Swiss pilot (AC-DC)
- Selected part of German pilot (AC-DC)

Activities for hybrid AC-DC grids:

- Virtual integration of pilots in German DC grid. Dynamic loads in AC and DC grid.

DC Stakeholder Workshop:

Following the demo, stakeholders are discussing key findings and future pathways for the integration of hybrid AC-DC grids.



AGENDA

Wednesday, September 18, 2024 / Day 1

12:00-13:00: Lunch, Welcome reception @AIT (ALL)

13:00-13:15: Opening, welcome and agenda (AIT, Gerhard JAMBRICH)

Session "VILLAS Demo" (ALL)

13:15-13:30: Introduction of Swiss Pilot, EPFL

13:30-13:45: Introduction of German Pilot, RWTH Aachen

13:45-14:00: Introduction of Italian Pilot, ASM Terni

14:00-14:30: VILLAS Demo, virtual connection of 3 demo-sites (including VILLAS intro)

14:30-14:45: Discussion and Wrap-up

14:45-15:15: Coffee Break

Session "DC Stakeholder Workshop" (ALL)

15:15-15:30: Stakeholder Workshop – Introduction and 1st Feedback Round (Mentimeter)

15:30-16:00: Splitting into Work Groups (1 virtual group)

16:00-16:30: Feedback round from Work Groups (reporting persons)

16:30-17:30: Wrap-up of results and Lab Tour to AIT SmartEST & DC Lab)

18:30-19:30: Guided City Walk (Meeting Point: U1 exit Am Graben, 1010 Vienna)

19:30-21:30: Working Dinner (invited)

AGENDA

Thursday, September 19, 2024 / Day 2

Session "6th General Assembly - WP Updates" (HYPERRIDE consortium only)

09:30-10:15: TIGON- Project Status, Montserrat Lanero Martinez (CIRCE - Tigon coordinator)

10:15-10:30: WP03- Hybrid grid enabling solutions (SCiBreak AB, Bence HATSAGI)

10:30-10:45: WP04- Grid planning and Operation Strategies (EATON, Stefan Dan COSTEA)

10:45-11:00: WP05- Open and secure ICT (ENG, Alessandro ROSSI)

11:00-11:30: Coffee Break

11:30-11:45: WP06- Swiss Pilot (EPFL, Drazen DUJIC)

11:45-12:00: WP07- German Pilot (RWTH AACHEN, Katharina HETZENECKER)

12:00-12:15: WP08- Italian Pilot (ASM TERNI SPA, Massimo CRESTA)

12:15-12:45: Coffee Break

12:45-13:00: WP09- Business models, regulatory and consumer engagement (AIT, Carlo CORINALDESI)

13:00-13:15: WP10- Dissemination, Exploitation and Impact Creation (FEN, Erika FONTANESI)

13:15-13:30: WP01/MGT- Project Coordination and Management (AIT, Gerhard JAMBRICH)

13:30-13:45: Session „Steering Committee“, (SC), (HYPERRIDE consortium)

13:45-14:00: Wrap-up and Conclusions (AIT, Gerhard JAMBRICH)

14:00-15:00: Light Lunch/ End of the Meeting