

Generator UVR (Universal Voltage Regulator)

<UVR_{1S}>

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Vienna, 12.11.2025

Brief description of the consortium partners

- **TEST-FUCHS GmbH**

Testfuchsstrasse 1-5
3812 Groß Siegharts



- **LCM Linz Center of Mechatronic GmbH**

Science Park 1, Altenberger Straße 69
4040 Linz



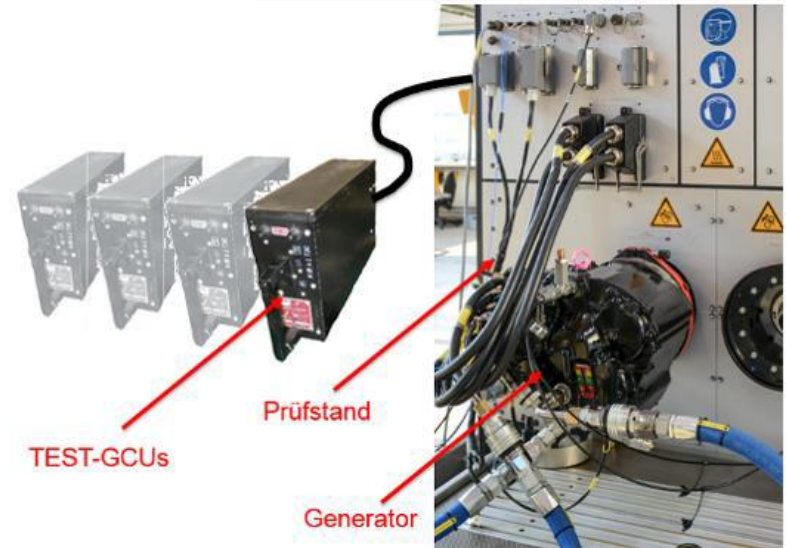
- **Synchronics Engineering GmbH**

Schremser Straße 22
3860 Heidenreichstein



Aim of the project / Background of the project

- GCU Requirement analysis, development and design of an universal voltage control unit
- Tool to simulate the Generator Control Unit (GCU) for testing applications
- Including the functionality of 30 different GCUs in one unit, independent from used test stand
- Safe and proper testing, Stand-alone and test stand integrated operation mode

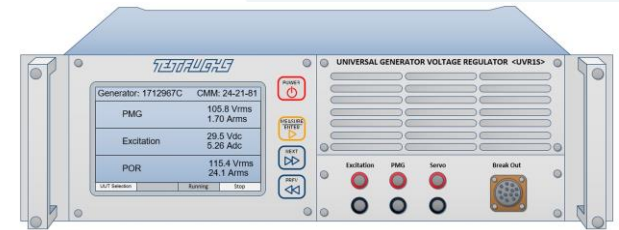


Utilization of the project

- Integration in LMP250_nextGeneration product
- Distribution of an own stand-alone product
- Tool for support, testing and troubleshooting
- Knowledge transfer to other controller testing tools
e.g., for high-lift actuators

Prüfstand für Generatoren

>LMP250<



Further steps/(potential) follow-up projects

- Completion of the UVR1S prototype and verification procedure
- Next Generation Generator Teststand series
- Electronic load for Generator Teststands with power recovery
- Worldwide automatic test program uploads
- Integration of IOT & AI as silent test observer