

Energy, Water and Wastewater for Industry and Academia

- ✓ Established in 2004
- **✓ Owns a small HPP of 2MW capacity**
- ✓ Silver Alliance Partner of National Instruments
- ✓ Certified and experienced software, mechanical and system engineers
- **✓** Markets
 - √CIS countries Armenia, Russia
 - ✓ Middle East region Saudi Arabia
 - ✓ South Asian region India, Pakistan
 - ✓ East Asian region Vietnam, Singapore



Substation Automation SCADA System

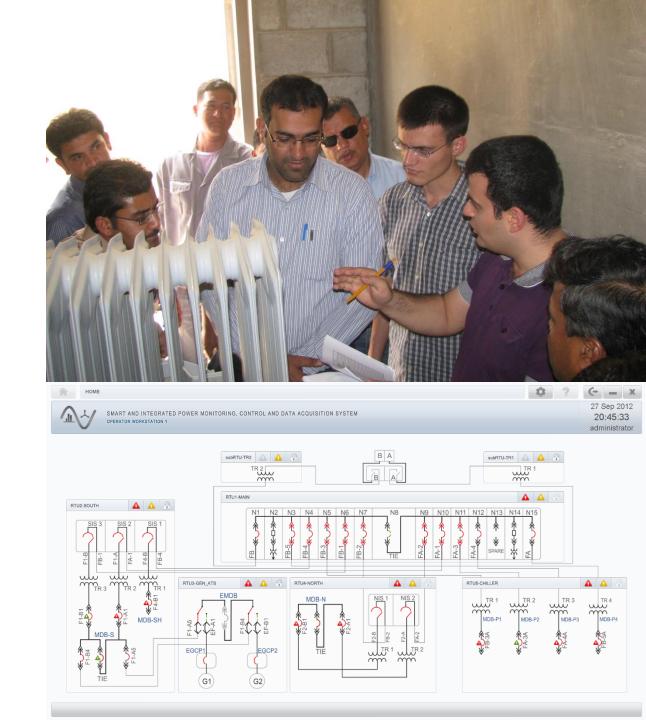
Location: Jubail, Kingdom of Saudi Arabia

End User: Royal Commission for Yanbu and

Jubail

Number of substations: 5

Benefits: energy efficiency, reduced outages, cost-effective maintenance, safety





Irrigation Automation SCADA System

Location: Dammam, Kingdom of Saudi Arabia

End User: Municipality of Dammam

Number of gardens: 21

Number of weather stations: 2

Benefits: effective water consumption, on-time irrigation, automatic adjustment by weather stations, preventive and costeffective maintenance





Overview

- Using in university labs, vocational colleges and research institutions
- Creating HIL models of power microgrids
- Testing and calibration of various power metering devices, power quality analyzers, microprocessor based relay protection systems





NetSimulator simulates real high-voltage and high-current signals



NetSimulator Voltage Adapter

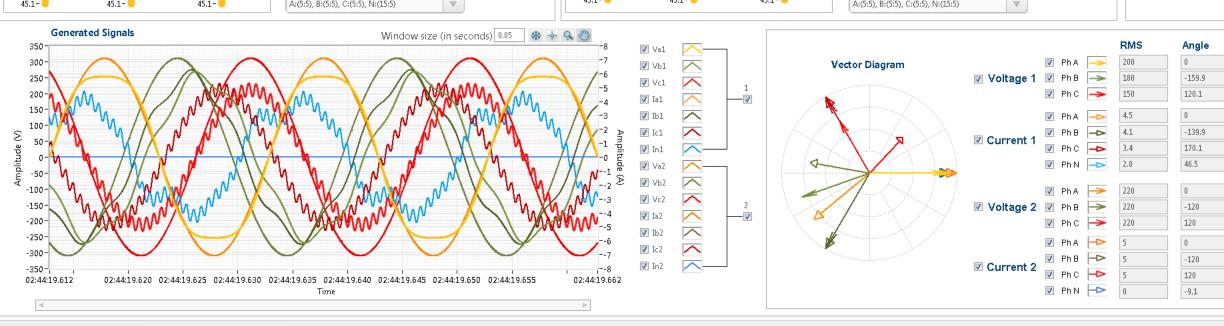
- 3 Input channels (+/-10V)
- 3 Output channels (0-220V AC)
- Accuracy 1%
- Short-circuit protection
- Converts the input low voltage to high voltage signal
- Transparent conversion, the high voltage signal replicates the low voltage signal shape and spectral band (up to 64th order)

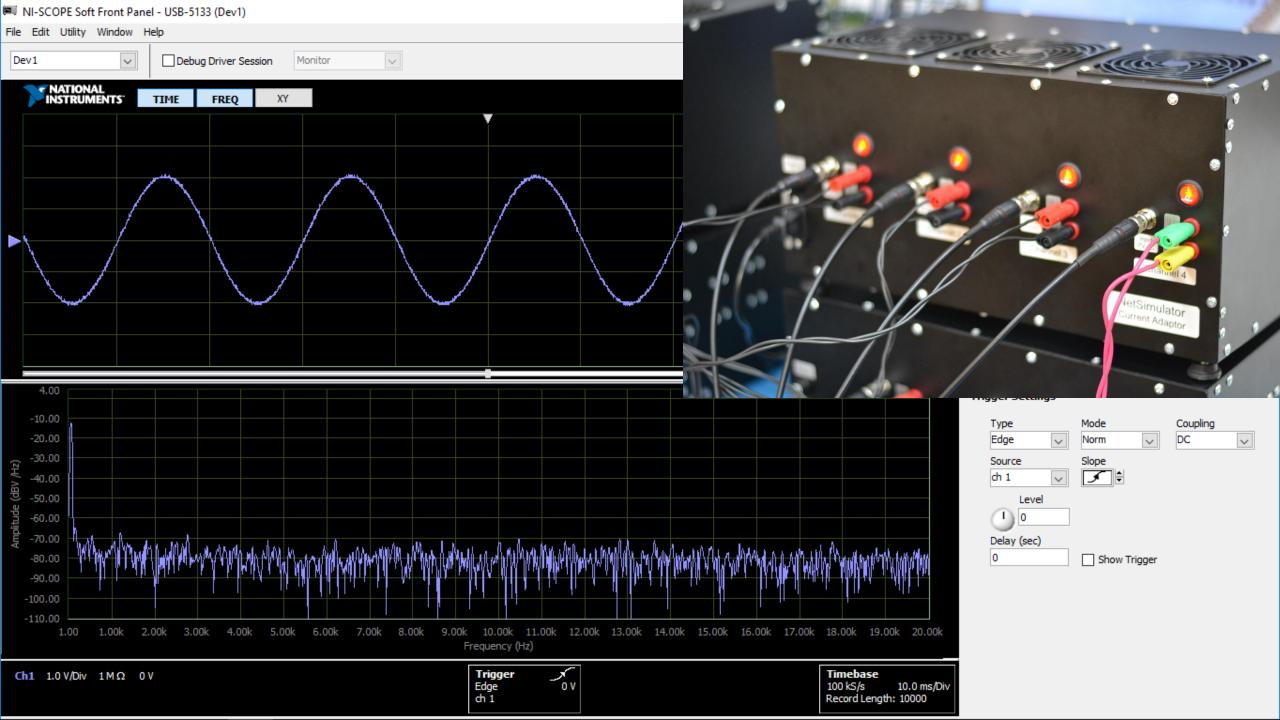


NetSimulator Current Adapter

- 4 Input channels (+/-10V)
- 4 Output channels (0-5A AC)
- Accuracy 0.5%
- Converts the input low voltage to high current signal
- Transparent conversion, the high current signal replicates the low voltage signal shape and spectral band (up to 64th order)







Rack-Mount Form Factor



Thank you