Efficient Data Acquisition With Fast DAQ Software
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1. “How can software help you in your daily work to be efficient?”

2. EVIDAS – HBM’s new DAQ Software

3. Live demo

4. Summary and further information

5. Questions and answers
“How can software help you in your daily work to be efficient?”
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Tool chain for a measurement task
Often a lot of thoughts are done for the hardware components

Considerations

- Accuracy
- Range
- Dimensions
- ...  
- Accuracy
- Sample Rates
- Central or distributed Inputs
- Connectors
- Flexibility
- EMC immunity
- ...  
- Functionality
- What else should be considered?

After installation of the hardware the daily work is with the software!
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Demands on DAQ software

**Functionality**
- Configuration of DAQ hardware
- DAQ functions, e.g. recording modes
- Online analysis
- Data storage, supported file formats
- ...

**Reliability**
- Measurements for a few seconds, minutes, hours, days, months, one year

**Scalability**
- 1…10.000 channels
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Demands on DAQ software – soft facts

Efficiency - Fast to reliable data

- Straightforward Workflows
- Just two clicks and your data is being acquired and stored
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Demands on DAQ software – soft facts

Easy to use

- Software GUI is in your language
- Intuitive operation
  - Tables should work as in Excel; file explorer should work as Windows file explorer
  - Use ribbon concept
- Consistency
- Software is guiding you => EVIDAS “Speaking design”
First summary

“Software should be more than just functionality”

Software should be more like a friend helping you in your daily work
EVIDAS – HBM’s new DAQ software
EVIDAS is HBM’s next generation DAQ software

- EVIDAS Essential is the first edition EVIDAS software family
  - Functional scope
    - Data acquisition and visualization
    - Online Analysis
    - Data storage
    - Innovative cloud interface
    - Import catman bin files
EVIDAS is HBM’s next generation DAQ software

Channel configuration
- Comfortable using TEDS, sensor database or single channel dialog
- Fast directly in channel table
EVIDAS is HBM’s next generation DAQ software

Online analysis through computation channels

- Algebra
- Rosette
EVIDAS – Fast to reliable data

EVIDAS is HBM’s next generation DAQ software

Data Storage and Visualization

- Save data local in all common formats
- Save data in HBM Cloud-storage
- Repetitive recordings
Cloud integration
Transfer your acquired data to the HBM Cloud space and access and share it from anywhere in the world
IoT Streaming for web visualization
- Live data streaming to IoT endpoints for web visualization
- Supported IoT endpoints
  - Microsoft Power BI
  - Bosch Production Mgmt. Protocol (PPMP)
  - InfluxDB
  - Generic REST endpoint
EVIDAS - With 2 Clicks from the Measured Value to the Cloud

Live demo
Summary
EVIDAS is HBM’s new generation DAQ software

Fast to Reliable data
Just two clicks and your data is being acquired and stored

Speaking Design
Benefit from a clean straightforward workflow providing visual feedback

Cloud integration
- Interface to HBM Cloud-Storage to share and access data all around the world
- Interface to global IoT service provider to visualize live data in dashboards on the web (MS Power BI, Bosch IoT, InfluxDB)
EVIDAS Roadmap

- EVIDAS Essential
  - V1.0  June 2018
  - V1.1  November 2018
  - V1.2  January 2019
EVIDAS – Fast to reliable data

Additional information

- www.hbm.com/evidas
- HBM Cloud-Storage https://storage.hbmcloud.com/
- Open roadmap and FAQ
Any questions?

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