

FLEXSTAND Logger

Design Concept

Prototype Verification

Deploy Production

REAL-TIME LOGGING SYSTEM FOR GREEN ENGINEERING

FlexStand Logger is used in logging and observing synchronized events. This could for example be in the development of Wind Turbine systems where one needs to know about the structural behavior of components.

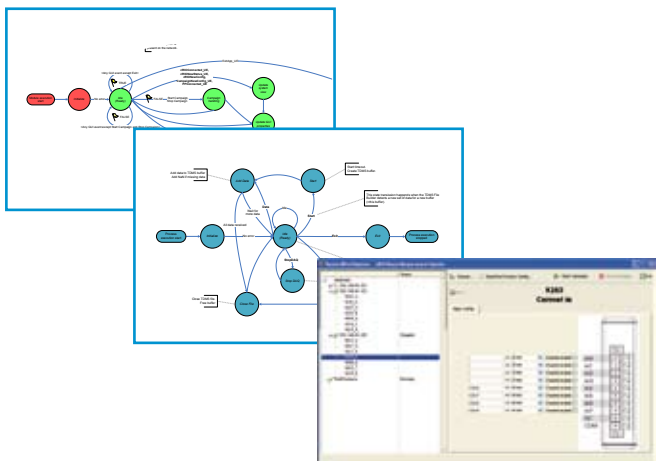
The CompactRIO collects the measured data and, by using its own processor, can transfer the data into a computer network, all in a deterministic manner. The acquired data are aligned and stored sample-by-sample on the same time base.



Data capture can be synchronized with GPS for high accuracy.

www.flexstand.eu

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REAL-TIME LOGGING SYSTEM

based on CompactRIOs with GPS synchronization.

- High channel count
- Synchronized data logging (GPS or IEEE 1588)
- Multiple locations with distributed measurements
- Analog and Digital I/O
- Wired and wireless connection to network
- Merge channels to TDMS Host
- Graphical monitoring



The hardware in the system is built on National Instruments equipment. The software is based on CIM Industrial Systems know-how from LabVIEW. These two combines into the [FlexStand Logger](#).

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