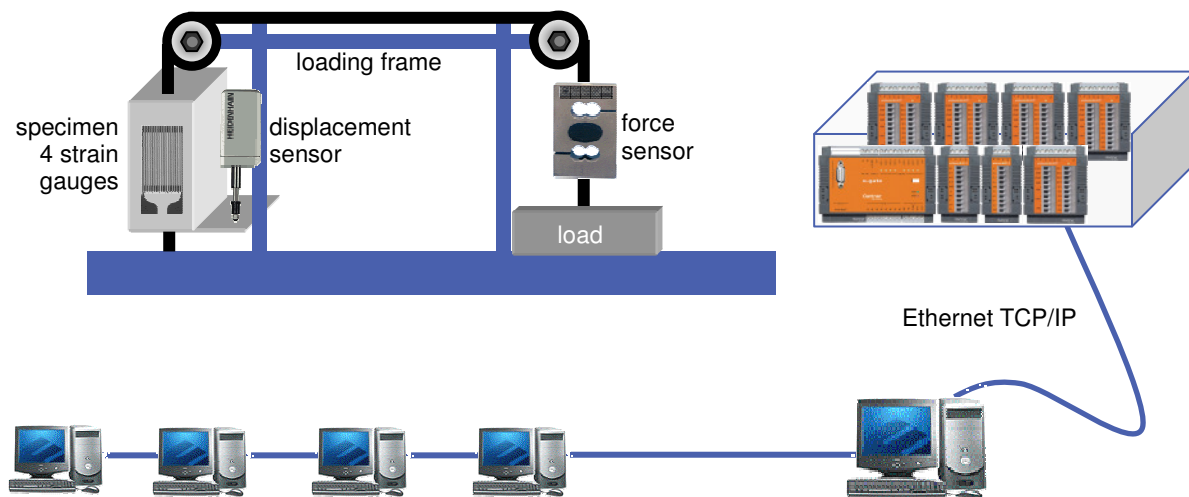




EADS CCR

At the test of new materials they will be loaded mechanically in a wide range of environmental temperature until the break. e.bloxx modules are measuring strain, load and displacement in the setup. The long-term stability of the measuring system is at this type of long-term test a absolute important criteria. For that reason only a carrier frequency system can be used.



The primary reasons the e.bloxx family was selected:

- The signals of all sensor types (single strain gauge, strain gage force transducer, incremental displacement sensor, Pt100, thermocouple) can be determined with one measuring system.
- The used carrier frequency method fulfil the long term requirements.
- With the strain calculator the calibration of the strain gage channels is very easy.
- The linearity deviation of the Wheatstone bridge at high strains will be linearized in realtime.
- It is possible to build up a measuring network using some units at Ethernet.
- The e.bloxx system in case of a communication break down will store all the measurements with a time stamp.
- The price performance relation is excellent in competition with National Instruments, HBM, Eurotherm and Vishay Measurement Group.

