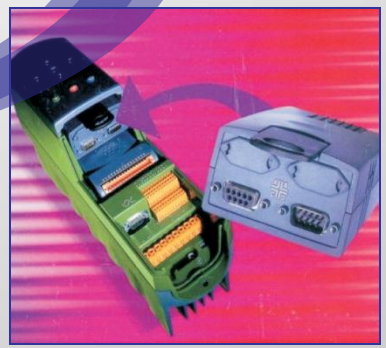
IBC

Intelligent Brake Control

Drive System

protection against:
- wheel damage
- piling



►electronic control system with variable parameter pre-setting

►for load-independent braking cycle

►using an external reference signal, typically the whee or lpulley rpm monitored by tachometer, and a pre-set parameter, e.g. time or rpm, the frequency invertor calculates a linear or non-linear time function

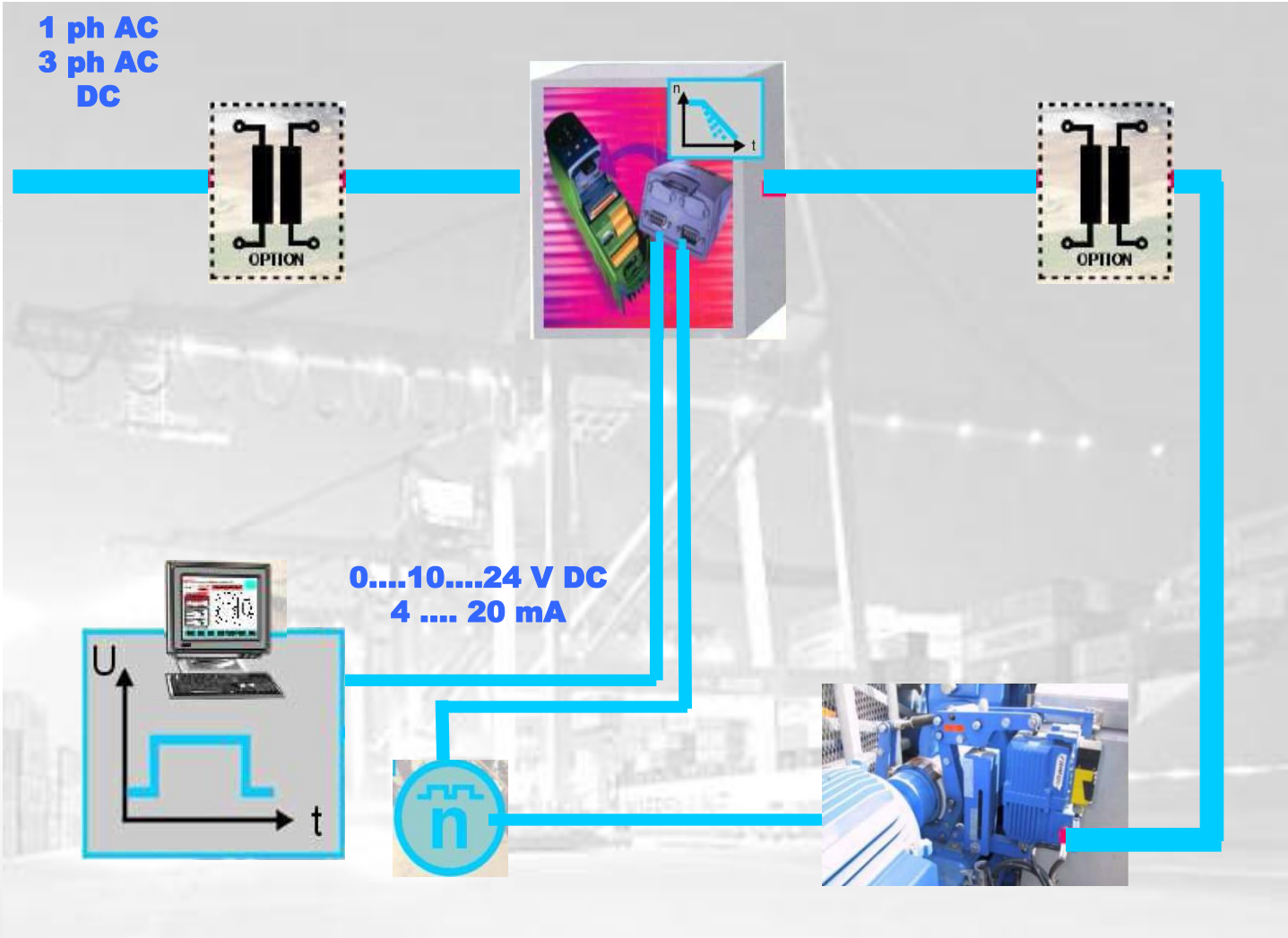
►the integrated controller performs a continuous comparison of calculated curve with the measured values

►based on the guiding signal generated by the controler, the frequency invertor manupulates the frequency of thrustor motor resp. the amperage of the porportional valve on HPU and thus controls the braking

Product Details IBC

SIBRE Sure to be Safe
Siegerland Bremsen

sure to be safe



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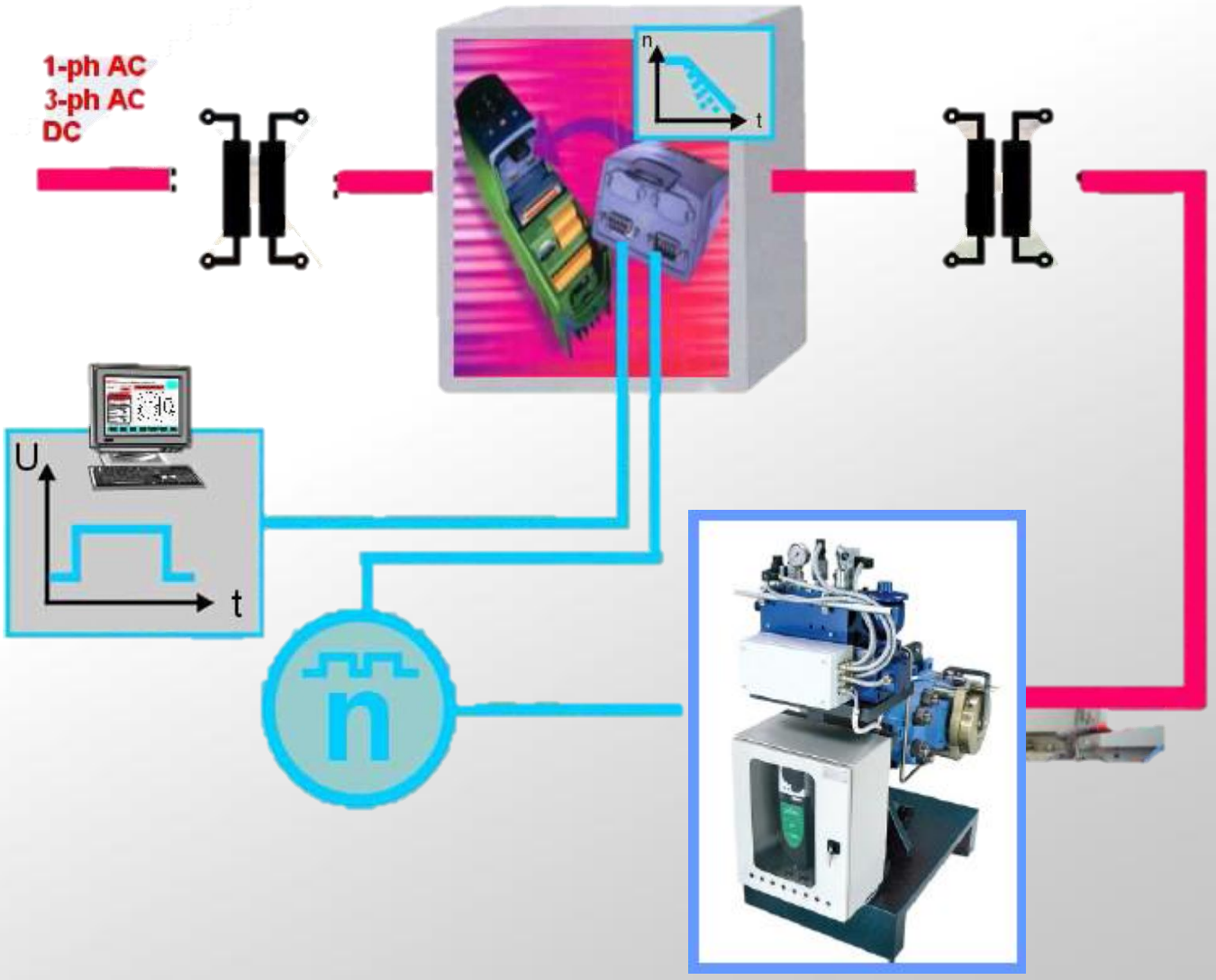
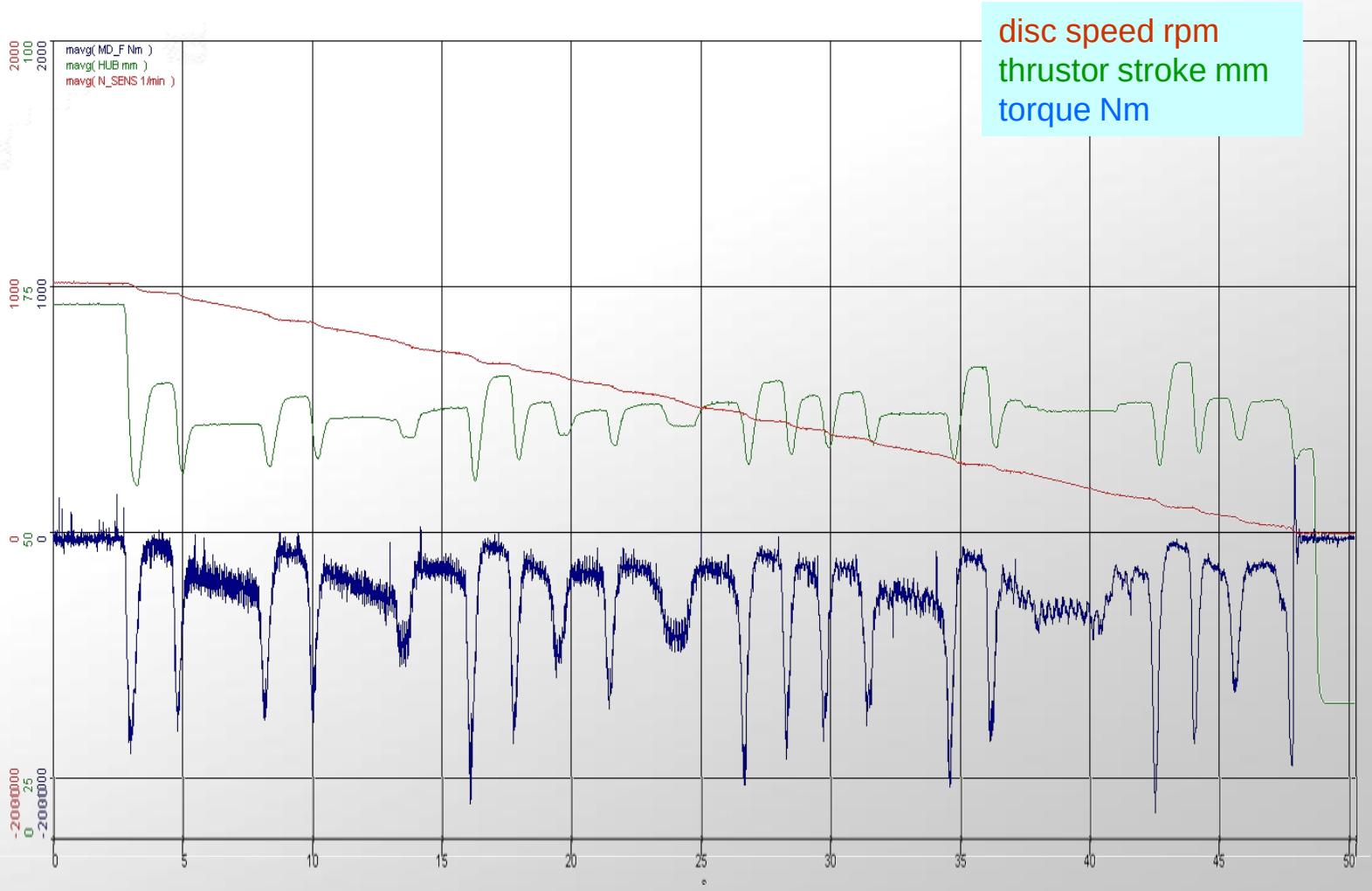


Test Results USB3-III-710x30-301/6, set at 8200 Nm and 45 sec stopping time



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- suitable for thruster operated **SIBRE** drum brakes and disc brakes
- suitable for
  - ABS (Anti Blockage System) for gantry and trolley travel
  - slewing drives
  - downhill conveyors,
- mounted in terminal box, completely pre-wired and pre-set
- easy installation, also for retro-fitting and upgrading
- almost linear deceleration
- smooth braking without considerable peaks
- low residual vibration at initial contact of brake linings
- deviation from pre-set stopping time < 5 %
- similar deceleration curve under various load conditions

- Optionally available with UPS battery back up for single e-stop under power failure condition