Test of Helicopter Cable Harnesses

Helicopter type: EC-145 T2

Further realized projects for following helicopter types:

- Tiger
- Airbus Helicopters
- S 76C –D
- Sikorsky

EC-145 T2 series production in clocked flow production

Images:
- Working station test bench

The successful project team
Test task:

► Continuity test of the cable modules of the complete helicopter in installed status
► Component test of resistors, diodes and Zener diodes
► Function test of electro-mechanical components like switches, relays, panels and signaling elements

System design:

► Distributed test system consisting of a basis unit with centralized measurement electronics and 2 test point units in moveable cabinets
► Test system units are connected via bus cable and by that can be arranged freely in the test bench

Technical features:

► 22000 test points, 1500 VDC / 1050 VAC
► PC with operating software NT Control
► Adapter cable database in NT Control
► Temperature and humidity measurement
► Cable module test, semi-automated
  ► Import of cable module data (wiring lists)
  ► Test procedure control
  ► Terminal block support