
Development of a PLC and Motion Control automation project

The following are the macro topics that will be covered during the 3CFU course held by Hypertec, at the University of Catania - Department of Electrical, Electronic and Computer Engineering.

Course Duration: 30 h

Mode of execution: in presence

Performance Period: Second Semester

Day of week: TBD

Time slot: TBD

Arguments:

- 1) Introduction to the software development platform Codesys 3.5 and programming languages complying to the standard IEC 61131-3.
(estimated time 4.5h)
- 2) Definition of project specifications, and analysis of an example machine design.
(estimated time 4h)
- 3) Introduction to Motion Control systems and concept of "Electric Axis".
(estimated time 4h)
- 4) Development software architecture control of the project taken as an example (variables declaration, programs definition, Function end Function block required ecc...).
(estimated time 4.5h)
- 5) Development software architecture control of the project taken as an example (program implementation).
(estimated time 4.5h)
- 6) Development software architecture control of the project taken as an example (program and HMI implementation).
(estimated time 4.5h)
- 7) Simulation Test of the project.
(estimated time 4h)

Hypertec Solution s.r.l.

Sede Legale/Operativa:

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