

Workshop

Totally Integrated Automation (TIA) Portal

25 November 2015

13h00 – 17h00

John Fernandes

Overall Aim of Workshop

The workshop will focus on introducing the basics of the SIMATIC S7-1200 PLC and the Engineering System SIMATIC STEP 7. In the first part of the workshop, an overview of the Siemens SIMATIC range of industrial automation controllers will be given followed by a hands-on demonstration of the device configuration and the technology option for PID control within the TIA portal.

What is Totally Integrated Automation?

Totally Integrated Automation (TIA) is an open system architecture that offers a unique level of integration in the manufacturing and process environment. It ensures the perfect interplay of all automation components used including: operator interfaces, controllers, communication devices, sensors and drives, all of which are programmed from a centralized software environment thus reducing the cost of plant expansion, modification and maintenance. This ultimately ensures higher productivity and lower life cycle costs. Furthermore, Because TIA makes use of a common database, all software tools can work together seamlessly, thus minimizing potential sources of error. Totally Integrated Automation (TIA) is characterized by its unique level of integration at all levels from production to corporate management.

Presenters

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