

PLC Based Communication With Profibus DP

This course outlines the fundamentals of the PROFIBUS DP (Decentralized Peripherals) communication protocol.



For more information and to apply, visit
www.celtec.ie/dp

Course Learnings



Drive Technology Fundamentals

Develop an understanding of drive systems, including motor types, variable speed drives, and the principles of controlling speed, torque, and direction in industrial applications.



Drive Configuration and Parameterisation

Learn how to configure and parameterise Siemens drive systems using appropriate software tools to match motor characteristics and application requirements.



PLC and Drive Integration

Apply PLC programming techniques to integrate and control drives, enabling coordinated operation between automation controllers and motor systems.



Commissioning and Fault Diagnosis

Develop practical skills to commission drive systems, diagnose faults, interpret diagnostic data, and restore correct operation efficiently.



Industrial Drive Applications

Gain hands-on experience applying drive control solutions to real-world industrial scenarios to improve efficiency, reliability, and process performance.



APPLY

Expression of Interest

AT A GLANCE



DURATION

2 Classroom Days



LOCATION

CELTEC, Celbridge, Co. Kildare, W23 HCK2



DELIVERY

Classroom Based



SUITABILITY

Those in employment in the Kildare and Wicklow regions



TECHNOLOGY

This course uses Siemens TIA 1500 PLC's



COST

This course is partially funded under the Skills To Advance initiative for eligible applicants



COURSE REQUIREMENT

Experience in related industrial sectors would be beneficial for the learner.



CERTIFICATION

Certificate of Completion