



## STARDOM Engineering Training

### Course Code

STEG

### Course Overview

A 3-day instructor led course combining theory and hands-on tutorials. Participants will learn to: identify the hardware components that comprise the STARDOM family of controllers, create, manage, modify and download projects, create programs that comply with the IEC61131 standard, use the web maintenance interface, backup and restore projects and communicate with other devices.

### Who Can Take This Course

Engineers and maintenance staff involved in project implementation, plant upgrades and maintenance of STARDOM controllers.

Participants should have prior work experience.

### Course Methodology

Lecture, discussions and hands-on tutorials.

### Course Outline

You will learn

#### Day 1

- Introduction to STARDOM
- Installation, configuration and hardware with Resource Manager
- Hands-on tutorial: Hardware configuration
- Web maintenance interface
- Backup and restore projects
- Hands-on tutorial: Web maintenance interface
- Introduction to Logic Designer

- Creation of a project
- Hands-on tutorial: Creating a project
- Introduction to IEC61131 standard
- Introduction to Structured text programs
- Hands-on tutorial: Structured text program
- Introduction to Function block programs
- Hands-on tutorial: Function block program

#### Day 2

- Introduction to Ladder programs
- Hands-on tutorial: Ladder program
- Introduction to Instruction list programs
- Hands-on tutorial: Instruction list program
- Introduction to Sequential function chart programs
- Hands-on tutorial: Sequential function chart program
- Introduction to NPAS portfolio

#### Day 3

- Security in projects
- Debug tools
- Hands-on tutorial: Create an NPAS project
- Working with the NPAS portfolio
- Hands-on tutorial: NPAS programming
- Inter-STARDOM communication
- Hands-on tutorial: Inter-STARDOM communications
- STARDOM-Modbus communication
- Hands-on tutorial: STARDOM-Modbus device communication





### **Certification**

Participants who attain at least 75% attendance will be awarded Certificate of Attendance

### **Duration and Timing**

3 days

Morning sessions: 9am – 12pm

Afternoon session: 1pm - 4pm

### **Venue**

Yokogawa Australia Offices

Or

On site by special arrangement

### **Enquiries**

Training Manager Sydney

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### **Website**

<https://www.yokogawa.com/au/cp/trainingcentre.htm>

### **Training Centres in Australia**

#### **Sydney**

Tower A, Level 2

112-18 Talavera Road

Macquarie Park, NSW, 2113

#### **Brisbane**

18A Metroplex Avenue

Murarie, QLD, 4172

#### **Melbourne**

Level 1, 211C Wellington Road

Mulgrave, VIC 3170

#### **Perth**

Unit 1, 115 Belmont Avenue

Belmont, WA, 6104