

# Training Course Agenda for IEC61131-3 Programming

<b>Course Code</b>	:	STIEC
<b>Objectives</b>	:	The purpose of this course is to familiarize Stardom programmers with the IEC61131 languages used in the Stardom controllers. This course can only be taken in conjunction with the Stardom engineering course.
<b>Course Duration</b>	:	2 days
<b>Training Hours</b>	:	morning session      9 <sup>00</sup> to 12 <sup>00</sup> afternoon session      13 <sup>00</sup> to 17 <sup>00</sup>
<b>Trainees</b>	:	8 maximum
<b>Participants</b>	:	For engineers involved in software generation or modification of the Stardom system.
<b>Prerequisite</b>	:	This course is to be taken as part of the <b>Stardom Engineering training course</b> . Some prior experience in programming PLCs would be an advantage.
<b>Documentation</b>	:	IEC61131 Programming Training Manual / Tutorial Software
<b>Location</b>	:	Please refer to the supplied Orientation sheet for venue details
<b>Additional Information</b>	:	Lunch will be provided.
<b>Contact Information</b>	:	National Training Centre Yokogawa Australia Pty Ltd Tower A Level 2 112 – 118 Talavera Rd, MACQUARIE PARK NSW 2113 AUSTRALIA
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	Website :	<a href="http://www.yokogawa.com/au/">http://www.yokogawa.com/au/</a>

## Course Content

Day	Time	Lectures	ref	Workshops	ref
1	9am	Introduction to IEC61131	1.1-2		
	9.15am	Functions & Function Blocks	1.3		
	9.45am	Data	1.4		
	10.15am	Using Help	1.5		
	10.30am	tea break			
	10.45am	Structured Text – Introduction	2.1		
	11.15am	- Concepts	2.2		
	11.30am	- Statements	2.3	Example	2.4
	12pm	Lunch			
	1pm	FBD – Introduction	3		
	1.15pm	- Methods		Example	3.8
	3pm	tea break			
	3pm	Ladder Diagrams – Concepts	4.1		
		- Methods	4.2	Example	4.3
	5pm	finish			
2	9am	Instruction List	5	Example	5.6
	10.30am	tea break			
	10.45am	SFC - Concepts	6.1		
	11.30am	- Method	6.2		
	12pm	lunch			
	1pm	- Execution	6.3		
	2pm	- Procedures	6.4	Example	6.4
	3pm	tea break			
	3.15pm	Review of IEC61131-3			
	5pm	finish			