SUPCON

Training Schedule

ECS-700 system

Time	Subject	Contents
1st day	**ECS-700 hardware**	✧ System specification: structure, scale, parameters, ✧ Control Station hardware.
	Visit SUPCON	✧ Visit SUPCON.
2nd day	**ECS-700 hardware**	✧ Engineer Station and Operator Station hardware; ✧ Network connect, IP address setting.
	ECS-700 hardware practice	✧ Key points about ECS-700 system hardware maintenance; ✧ Hardware practice (in the laboratory).
	System Configuration	✧ Install ECS-700 system software; ✧ Create a new project; ✧ Control Domain & Operation Domain Configuration; ✧ Engineer Configuration; ✧ Global Default Settings.
3rd day	**Control Configuration (Hardware)**	✧ MCU(Controller) configuration; ✧ Cabinet configuration; ✧ I/O rack, I/O module configuration; ✧ I/O channel configuration.
	Control Configuration (I/O Tag)	✧ Tag property setting; ✧ Parameter upload; ✧ Check tag.
4th day	**Control Configuration Practice**	✧ Basic method to optimize the configuration, such as: to modify the parameters of I/O signals, to add some new signals, to delete I/O signal; ✧ Compile & Download.

Time	Subject	Contents
	HMI Configuration	✧ Operation team; ✧ Trend settings; ✧ Alarm settings; ✧ User authorities; ✧ Compile & Publish.
5th day	**Graphics**	✧ The static object, such as Diagram layer, Static tools, System template; ✧ Dynamic data, Dynamic property, Action; ✧ Pop-up graphics; ✧ Practice.
6th day	**Supervision**	✧ Supervision operation such as panels operation, graphics operation, alarm related operation; trend related operation, Operation log, etc. ✧ Supervision Setting—global setting; ✧ System status—fault diagnosis; ✧ Practice.
	Report	✧ Shift report configuration: Event definition, Time & tag filling, Output setting.
7th day	**Experiment (in the lab)**	✧ Hardware installation; ✧ Network connection and debug; ✧ I/O signal commissioning; ✧ Redundancy commissioning; ✧ Modification to configuration;
8th day	**Programming**	✧ General introduction: data type, Variable type, etc. ✧ Control scheme programming with FBD.
9th day	**Programming**	✧ ST programming; ✧ SFC programming; ✧ Practice and debug.

TCS-900 system

Time	Subject	Contents
10th day	**SIS concept** **TCS900** **Hardware**	✧ System specification; ✧ Control station components; ✧ Operation hardware; ✧ Network setting;
11th day	**SafeContrix** **Configuration**	✧ Practice in lab ✧ Software installation ✧ Hardware configuration and variable configuration,
12th day	**SafeContrix** **Configuration**	✧ Control strategy development ✧ System diagnosis ✧ SOE Management software ✧ SafeManager software ✧ Clock synchronization
13th day	**Database** **Configuration**	✧ TCS-900 driver setting; ✧ Domain configuration; ✧ Tag property setting;
	HMI Configuration	✧ Graphic configuration; ✧ Supervision;
14th day	**Experiment**	✧ Experiment in the lab. ✧ Modbus communication practice.
	Test & **Graduation** **Ceremony**	✧ Examination of the training course. ✧ Graduation ceremony.

GCS 系统

Time	Subject	Contents
15th day	**G5 Hardware**	✧ System structure, scale, parameter ✧ Controller module ✧ Remote communication module ✧ Communication module ✧ IO module ✧ Terminal matching module ✧ Network
	G5 hardware configuration	✧ GCSManager software ✧ Add new project ✧ Add modules ✧ Variable parameter setting ✧ Compile and download

Duration: 15 working days