

Training Course

Industrial Cyber Security 1 (IES-CS1)	
Objective	<p>In this training attendees will learn how to operate and design internetwork communication and apply Ethernet security principles, e.g. as proposed by IEC-62443.</p> <p>Participants will master MOXA EDR's functionalities in order to keep their network secure from intrusion and inter connect with other networks and backbone.</p>
Prerequisites	<p>Knowledge in networking is required, based on previous attendance of the "Layer 2 Networking" (IES-L2) and "Layer 3 Networking (IES-L3)" courses or equivalent experience in the field.</p>
Content	<p>IP Routing</p> <ul style="list-style-type: none"> - L3 routing - L3 switch vs. Router - Static vs. dynamic routing - MOXA Secure Router <p>WAN Redundancy</p> <p>Network Address translation</p> <ul style="list-style-type: none"> - IP NAT - PAT <p>Security</p> <ul style="list-style-type: none"> - DMZ - Firewall - DoS <p>Virtual Private Network</p> <ul style="list-style-type: none"> - IPSec - PPTP/ L2TP <p>Miscellaneous</p> <ul style="list-style-type: none"> - Setting/ Policy Check
Duration	1.5 Days
Certification	Industrial Cyber Security 1 (IES-CS1)