Cyber Security Training - ICS & SCADA

- Experienced real world instructors
- Classroom setting
- Groups from 5 to 20 delegates
- Can be held on site or off site
- Portable lab for practical demonstrations

DMA - Cyber Security Program

Risk Assessment / Health Check
Strategy
Architecture
Policy and operational documentation
Compliance Testing
Monitoring

Industrial Control System Cyber Security Training

Course Overview

Our courses are extremely interactive and dynamic onsite Industrial Control System (ICS) Cyber Securitytraining course allows you to engage in discussion and ask questions specific to your ICS environments.

The course covers security topics reffered to global standards and instructor demonstrations that give participants a proven security toolkit to apply to your ICS networks.

Take part in real-world practical group ICS cyber security activities, (Red on Blue attack and defence senarios) we cover hands demonstration exercises in our virtual control system lab environment including: SCADA servers, HMI, PLCs, engineering workstations, wireless and telemetry devices and cyber security attack tools with outcomes to apply back at your plant environment.

The toolkit handbook given to all delegates is a comprehensive reference framework for any security, engineering and IT professional.

- Identify ICS/SCADA security trends and industry cyber incident case study findings
- Understand the importance of security governance and its place in operational management
- Learn about cyber-physical security assessments and vulnerabilities to this first line of defence
- Investigate ICS/SCADA network architecture methodologies and how to best integrate security with ICS and IT
- Discover practical methods for assessing cyber security risks to ICS/SCADA networks
- Participate in a risk assessment, find threats and vulnerabilities within a SCADA network
- Identify tools to manage ICS/SCADA assets
- Learn how to build cyber security requirements into ICS/SCADA projects
- Identify key technical vulnerabilities in your ICS/SCADA environment, develop a test plan and learn exploitation techniques such as passive scanning and reconnaissance
- Learn how to defend against Zero-day exploits and attacks
- Design secure access control solutions for legacy ICS/SCADA.
- Design and develop third-party security controls for ICS.
- Explore essential monitoring technologies for ICS/SCADA assets and discuss implications
- See how to respond to cyber incidents with the latest forensics techniques
- Receive references to the latest industry standards and best practice guides
- Learn how to manage ICS/SCADA protocols and technologies suchas IEC 61850 and DNP3Sec.

• Meet your instructors

Mr Tahir Saleem (Lead Instructor) holds a MBA with technology management specialisation from La Trobe University and maintains several certifications such as the Certified CSSA, CISSP-ISSAP, Cisco Certified Networking Professional – Security, ripwire Certified Professional, Microsoft Certified Systems Engineer (Security) CISM and is a certified ISO 27001 Lead Implementer. Tahir has over 10 years hands-on experience in the design, development and execution of large-scale cyber security engagements across several industry verticals: critical infrastructure (water, mining, energy sector, banking & finance, telecom) and International government agencies. He has performed several hands-on architecting, deployment, management and security auditing of networks utilising multi-vendor firewalls, IDS/IPS, anti-malware systems, network vulnerability management systems, routers and managed switches for critical infrastructure. His architecture experience extends to complex large scale ICS, PKI and SIEM systems..

Mr Andrew Sheedy (Instructor) holds Grad Dip BA, and MBA Courseswork from Swinboure Univeristy, is a comissioned officer in the ADF ARES (Infantry), has 30 years in the IT industry, run several businesses and contol system experience. He has built contol systems in a manufacturing environment and understands the critical nature of system uptime and how redundancy and DR done well can save a business. He has worked on consulting projects with the worlds largest miners and some of the worlds smallest water authroities.

for more information or to discuss your training requirements, please call Andrew Sheedy - 61 0418 552 987 or email asheedy@dmaust.com.au