



Wiresec Cybersecurity Solutions

CORPORATE PROFILE

A large industrial facility, possibly a refinery or chemical plant, is shown at sunset. The sky is a mix of orange, yellow, and blue. The facility is filled with tall distillation columns, pipes, and storage tanks, all illuminated by warm lights. The scene is viewed from an elevated perspective, looking down into the complex.

Simplified, Precise & Forward Thinking Protection



ABOUT US

Founded in 2013 in London, United Kingdom, Wiresec initially concentrated on delivering expert cybersecurity advisory services to clients within the financial sector.

By mid 2024, Wiresec has expanded its operations to the Middle East, Asia, and Australia. Now, Wiresec is a leading name in providing expert OT Cybersecurity services and solutions to a diverse array of clients across various sectors.

Our growth reflects our commitment to safeguarding our clients' operations globally, while continuously adapting to the ever-changing landscape of cybersecurity threats and technology needs.

Message From The Founders



We at Wiresec, prioritize close collaboration with our clients, aiming to be their trusted partners. Leveraging cutting-edge technology, we craft robust and efficient solutions tailored to their needs. Our commitment lies in safeguarding their business from evolving threats while aligning with their strategic objectives.

Muhammad Ali Azeem

With a wealth of extensive industry experience, we specialise in clients' full spectrum road-maps to crafting strategic road-maps for our clients. We prioritize collaborative partnerships to tackle challenges together. By merging our expertise with partners' insights, we devise comprehensive holistic solutions, resolving current issues and paving the path for future success.

Kaashif Nawaz



Our Leadership



Muhammad Ali Azeem

CEO and Co-Founder | OT Cybersecurity Advisor

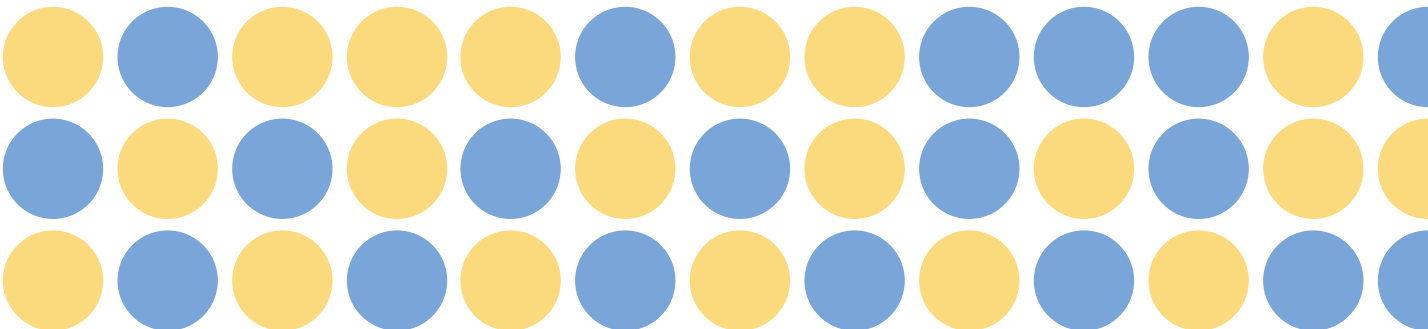
Ali's strategic foresight and expertise in IT and OT cybersecurity have been pivotal in shaping the company's innovative cybersecurity solutions. With over 18 years of hands-on experience, he has played a key role in helping organizations elevate their cybersecurity strategies and defenses. Ali is a well-known leader in the cybersecurity community and a renowned speaker at industry conferences. He also serves as an advisor at Bath Spa University in the UK, where he bridges the gap between real-world cybersecurity practices and academic development.



Kaashif Nawaz

CTO and Co-Founder | OT Cybersecurity Strategist

Kaashif wields 24 years of experience in the OT & IT cybersecurity field. As CTO at Wiresec Technology Solutions, Kaashif leads the backbone of the company, ensuring robust solution design and customer satisfaction. He has been the mastermind behind technical strategies and has shaped defenses for central banks and several national infrastructures. With a patent filed in his name, his track record includes numerous achievements that demonstrate his technical skill set.



OUR VISION

To forge a safer digital future
empowering progress.



OUR MISSION

Our mission is to equip organizations with the knowledge and solutions needed to counter cybersecurity challenges head-on, and foster resilience in OT operations through proactive defense and continuous innovation.



OUR VALUE PROPOSITION

Our value proposition is rooted in a balanced approach that blends technical mastery with a deep understanding of industry-specific challenges.





SERVICES

Wiresec offers a wide range of OT Cybersecurity services covering large spectrum of operations.

01: OT Cybersecurity & Infrastructure Services

02: OT & IT Convergence

03: Research and Intelligence

01



OT Cybersecurity & Infrastructure Services



Empowering Operational Resilience

Didn't find a partner who you can trust to safeguard your Critical Assets? Look no further!

Our services help you navigate OT security with precision, ensuring compliance with various standards like ISA 62443, NIST, NERC CIP and more as well as regional models.

By assessing each layer of the Purdue Model, we uncover hidden gaps and vulnerabilities in your systems that increase the cyber risk.

Working together with your team, we create a tailored plan to improve compliance, control, and governance.

This approach is carefully designed to meet your industry's specific needs and the regulatory requirements you face.



An Unmatched Services Suite, Uniquely Tailored for Your Needs

It's better to be safe than sorry.

Our cybersecurity expertise seamlessly integrates advanced technology with your business processes to safeguard your critical infrastructure landscape.



- **Strategic Services**
- **Design and Integration**
- **Managed Services and Field Engagement**
- **Training and Enablement**



Strategic Services

Assessing Your Facilities

Navigate OT security with precision—our services ensure compliance with international standards such as ISA 62443, NIST, NERC CIP or regional control models like NCA OTCC, NESA/ TRA, DESC ICS or Company specific standards defined by large organizations in the region.

- **OT Regulatory Compliance Assessments**
- **OT Asset Discovery & Management**
- **OT Gap Assessment**
- **OT Risk Assessment**
- **OT Vulnerability Assessment**
- **OT Cybersecurity Maturity Assessment**
- **OT Network Architecture Design Assessment**
- **OT Security Architecture Design Assessment**
- **OT Network Data Flow Assessment**
- **OT Cybersecurity Resilience Assessment**
- **OT Cybersecurity Strategy & Road-map**

Our suite of assessments and evaluations in OT cybersecurity, is meticulously crafted for in-depth analysis of your network, down to the very foundation of Level 0 devices. We assess each layer of the Purdue Model to reveal the hidden vulnerabilities and gaps.

Our risk assessments are not generic; they're customized to your needs and your organization's existing risk management methodologies to ensure compliance with your strategy.

We're committed to bolstering your operations with defenses that meet the regulatory benchmarks. With us as your partner, your cybersecurity will stand resilient and vigilant against the tides of digital threats.

Fortify Your Operational Fortress With Us.



Design and Integration

Building Your Cyberfort

We Are Leading Industrial Security Architects & Integrators

- **Design and Integration**
 - Security Policies, Procedures & Documentation
 - Network Diagrams and Architecture Design
 - System Diagrams and Architecture Design
 - Network Data Flow Design & Planning
 - Asset, Device & Endpoint Security
 - Industrial Firewalls & Data Diodes
 - Intrusion Detection & Prevention
 - Updates, Patching & Firmware Management
 - Identity, Accounts & Access Management
 - Secure Remote Gateways
 - Infrastructure Performance, Security and Automation (NMS, SIEM & SOAR) Solutions
 - Data Backup & Disaster Recovery
 - Incident Response & Forensics
 - Physical Security

Our Design and Integration services provide a comprehensive approach to securing and optimizing your OT environment. From developing robust OT security policies and procedures that align with international and local regulations to crafting detailed network and system architectures, we ensure your infrastructure is both resilient and efficient. Our expert team also specializes in designing secure data flows, safeguarding assets, devices, and endpoints, and configuring industrial firewalls and data diodes. We implement advanced technology solutions that enhance your cybersecurity state and protect you against modern-day cyber attacks.





Managed Services and Field Engagement

Sit Back and Relax

Our managed services portfolio is one of its kind which has been carefully design keeping in mind your daily operational headache and challenges.

Our suite of managed services offers a comprehensive array of programs tailored to meet your cybersecurity needs. Rest assured, with us managing your cybersecurity, you are fully protected from all angles.

- **CASP: Critical Asset Security Program**

Your all-encompassing OT cyber guardian, managing, monitoring, and fortifying your digital assets against evolving threats complete cybersecurity, handled end-to-end.

- **SCOUTs: Security Command Operations Unit Team**

Onsite cybersecurity experts embedded within your operations, delivering tailored, day-to-day security management and tactical support.

- **OTPMS: OT Cybersecurity Project Management**

Expert project managers to lead your OT cybersecurity initiatives, ensuring timely, within-budget, and above-standard project completion.

- **WireSCOUTs: Security Command Operations Remote Unit Team**

Extend your cybersecurity reach with remote specialists, offering the same dedicated support as SCOUTs.

- **WireCISO:**

Strategic cybersecurity leadership on-demand; seasoned CISOs providing executive oversight and guiding your cyber strategy contractually.

**Tailored Managed Services
For complete peace of mind.**

Training & Enablement

Ensuring robust cybersecurity in OT environments requires specialized knowledge and skills. The following training and certification programs are designed to equip professionals with the expertise needed to secure industrial automation and control systems (IACS) in various sectors, including manufacturing, energy, and critical infrastructure.

- Industry Training

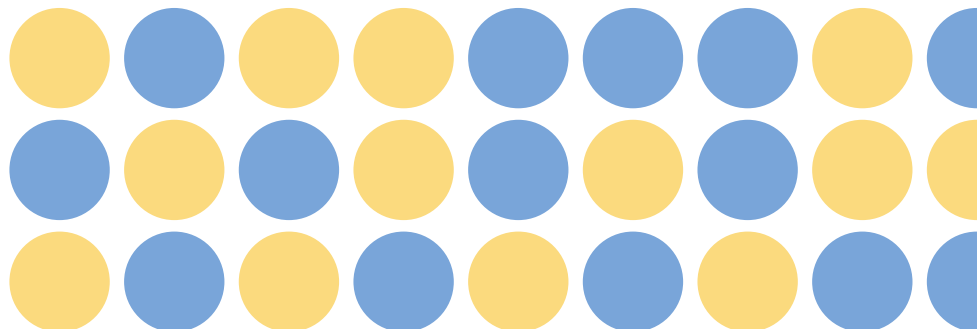
- IC32 - ISA/IEC 62443 Cybersecurity Fundamentals Specialist Training
- IC33 - ISA/IEC 62443 Cybersecurity Risk Assessment for Automation Systems
- IC34 - ISA/IEC 62443 Cybersecurity Design & Implementation
- IC37 - ISA/IEC 62443 Cybersecurity Operations & Maintenance
- GICSP

- Swift

- OT Cybersecurity for IT Professionals

- Customized Training Programs

- Introduction to OT/ICS Networks & Security
- OT Cybersecurity Fundamentals & Threat Landscape
- OT Networks Protection Strategies, Compliance & Risk Management
- Network Security Principles for OT/ICS Network
- IoT and IIoT Fundamentals & their Security
- Risk Assessment and Management for OT Systems
- Understanding the ICS - SCADA & DCS Fundamentals
- Secure Programming for ICS
- OT/ICS Incident Response & Recovery



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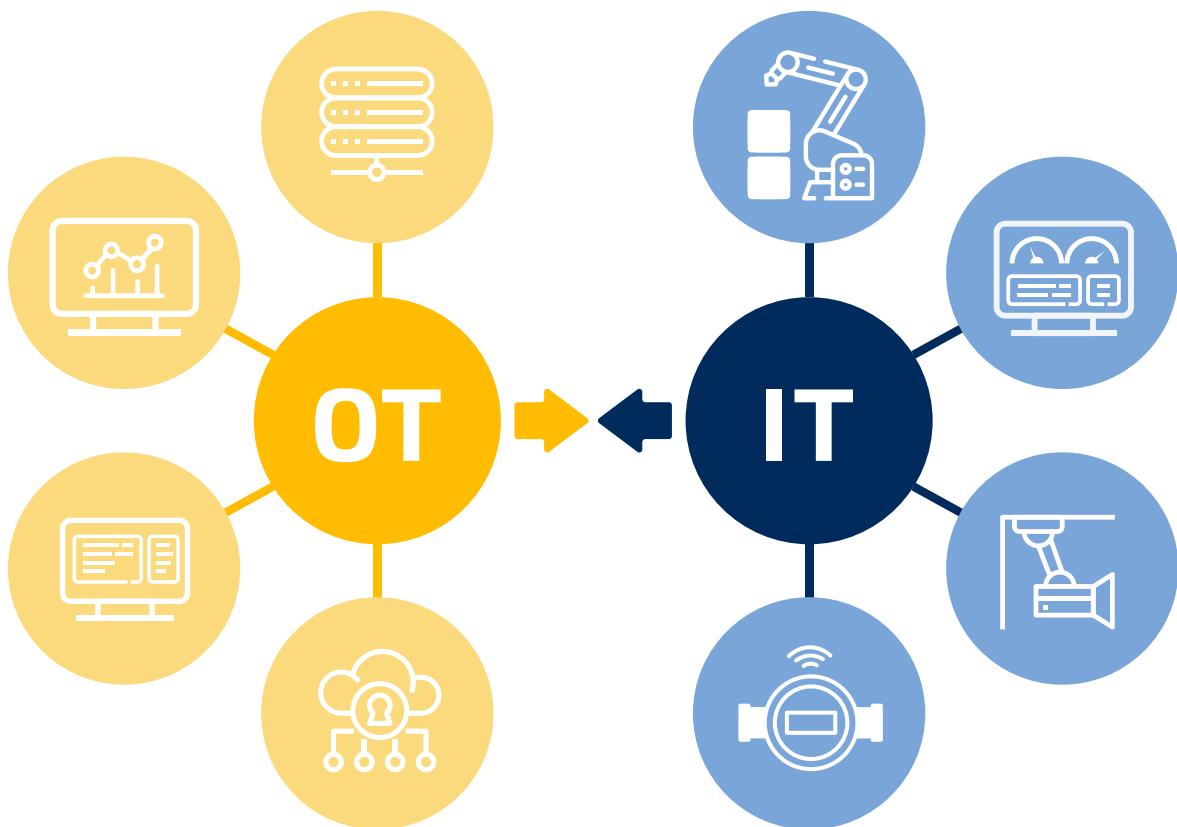


OT & IT Convergence

Securing Your Operations

Integrating your OT Network with IT Network without compromising security.

OT and IT integration unlocks unprecedented efficiency and insights that streamlines operations, enhances data-driven decision making and greater productivity in today's Industry 4.0 landscape.



A Resilient Integrated Network that Enhances Productivity and Insights

The convergence of OT / ICS and IT Networks has become a critical industry trend. As factories, plants, and infrastructure become increasingly digitized and connected, the once-siloed OT and IT domains are merging. This convergence enables enhanced data analytics, optimization, and remote monitoring capabilities. However, it also introduces new cybersecurity challenges, as the attack surface expands. Careful integration, robust security controls, and a comprehensive OT/IT convergence strategy are essential to realize the benefits while mitigating the risks.



- **DMZ design, Configuration & Implementation**
- **Business Data Integration & Consolidation**
- **OT Asset Inventory Integration**



DMZ design, Configuration & Implementation

Wiresec offers comprehensive DMZ (Demilitarized Zone) design, configuration, and implementation services to fortify your network security. Our experts design DMZ architectures that safeguard critical assets by isolating them from external threats while allowing secure access to necessary services. Wiresec's DMZ solutions are tailored to your specific needs, ensuring robust protection without compromising performance. We handle everything from initial design to configuration and full implementation, ensuring that your DMZ is optimally configured to block unauthorized access and mitigate potential security breaches. With our meticulous approach, Wiresec helps you achieve a secure and resilient network infrastructure that supports both your operational and business objectives. Trust us to deliver a DMZ solution that enhances your security posture and protects your valuable data assets.

Business Data Integration & Consultation

Wiresec specializes in the integration and consolidation of business data, transforming disparate data sources into a cohesive and actionable dataset. Our service enables organizations to unify their data streams from various systems, creating a sole source of truth that enhances decision-making and operational efficiency. With Wiresec, you can eliminate data silos and ensure that your business data is consistent, accurate, and readily accessible across the enterprise. Our experts use advanced integration tools and methodologies to streamline data flows, reduce redundancy, and enhance data quality. The result is a consolidated data environment that supports better analytics, reporting, and strategic planning. Let Wiresec help you harness the power of integrated business data to drive growth and innovation in your organization.

OT Asset Inventory Integration

At Wiresec, we excel in integrating OT asset inventories with Enterprise Resource Planning (ERP) systems. Our service ensures a seamless connection between your OT assets and your ERP, providing a unified view of your operations. This integration helps streamline asset management, reduce downtime, and enhance decision-making by offering real-time visibility into asset performance and lifecycle. Wiresec's approach minimizes manual data entry and reduces the risk of errors, ensuring that your asset information is always accurate and up to date. By leveraging advanced integration techniques, we help you unlock the full potential of your ERP system, making it a powerful tool for managing your OT assets efficiently. Trust Wiresec to bridge the gap between your OT and IT environments, ensuring smooth and efficient operations across your entire enterprise.

03



RESEARCH & INTELLIGENCE

Shapping the Future of Industrial Seurity

We develop customized solutions, build cyber ranges and gather threat intel for your industrial network.

Our skilled business data specialists recognize the criticality of data integration and sharing across your company's units and operations. That's why we've invested in specially trained personnel who are adept at managing your corporate data with expertise. They are not just custodians of information; they also grasp the significance of data flowing from your OT networks. Their proficiency ensures its seamless and secure convergence with your corporate systems, bridging the gap between operational technology and information technology with finesse.

We have diverse experience in the research and development of OT (Operational Technology) cybersecurity-specific solutions. We build use-case-based cyber ranges for your cybersecurity teams to test your cyber resilience, and we scan various layers of the internet to identify, report, and model threats that are targeting your industry.



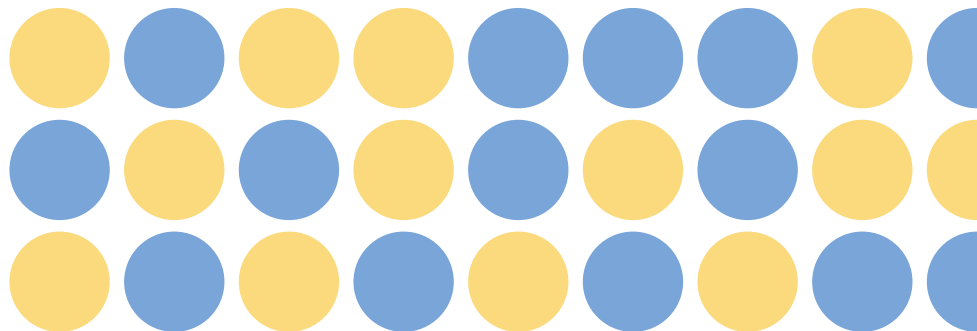
- **Research and Intelligence**
- **Industrial Modeling and Cyber Ranges**
- **Incident Response**
- **Support & Maintenance**



Advanced Research and Intelligence Services

Delivering tailored insights to help you anticipate and mitigate evolving cybersecurity threats.

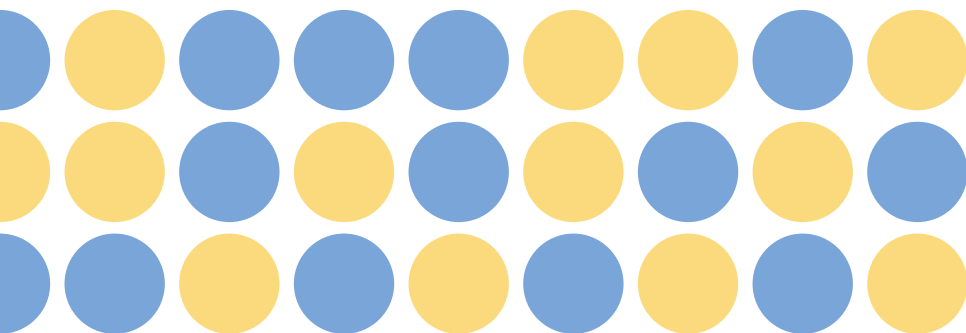
Wiresec offers cutting-edge Research and Intelligence services to keep your organization ahead of evolving threats. Our team of experts continuously monitors the cybersecurity landscape, analyzing emerging risks and vulnerabilities. By leveraging advanced research methodologies and intelligence-gathering techniques, we provide actionable insights that help you strengthen your security posture. Wiresec' intelligence reports are tailored to your specific industry and threat environment, ensuring that you receive relevant and timely information. Our proactive approach enables you to anticipate and mitigate potential threats before they can impact your operations. Trust Wiresec to deliver the critical intelligence you need to protect your assets and maintain business continuity.



Simulate and Analyze Cyber Attack Impacts, Test Patches, and Assess Vulnerabilities

Industrial Models and Cyber ranges are critical now for any industry to stay proactive to enhance their cybersecurity capabilities and operational resilience.

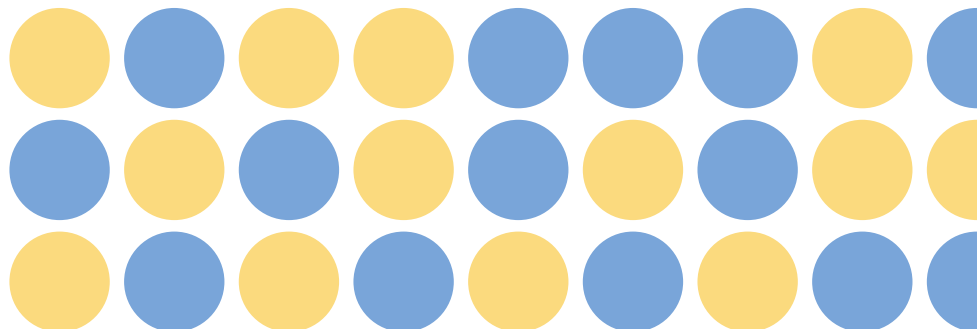
Wiresec' Industrial Modeling and Cybersecurity Labs provide a state-of-the-art environment for simulating and analyzing industrial systems and potential cyber threats. Our labs are equipped with advanced tools and technologies that allow us to model complex industrial processes and assess their cybersecurity vulnerabilities. This service helps organizations understand the potential impact of cyberattacks on their operations and develop effective mitigation strategies. Wiresec' experts use these simulations to test and validate security measures, ensuring that your defenses are robust and reliable. By leveraging our industrial modeling and cybersecurity labs, you can enhance your security posture and protect your critical infrastructure from sophisticated cyber threats.



Incident Response Services or Cyber Emergencies

Minimize Impact and Restore Operations Swiftly with Comprehensive Incident Response Services.

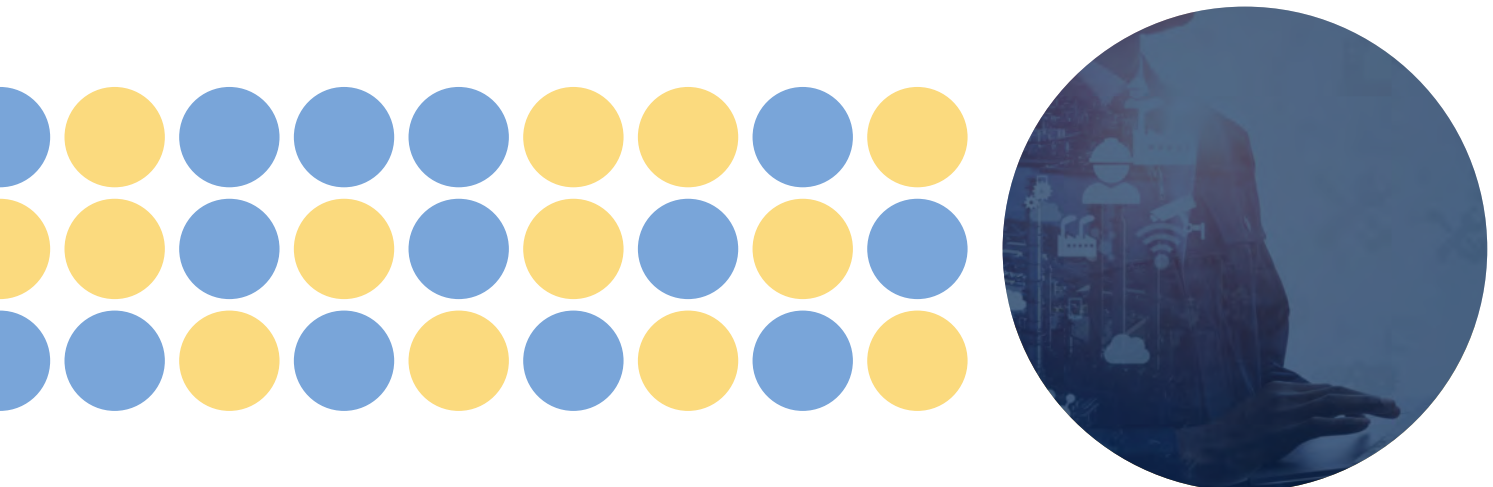
Wiresec' Incident Response services are designed to help you quickly and effectively address cybersecurity incidents. Our team of experienced professionals is available around the clock to respond to breaches and other security events, minimizing their impact on your operations. We follow a structured approach to incident response, including identification, containment, eradication, and recovery. Wiresec' experts work closely with your team to understand the incident, mitigate the threat, and restore normal operations as swiftly as possible. Additionally, we provide detailed post-incident analysis and recommendations to prevent future occurrences. With Wiresec, you can be confident that you have a reliable partner to help you navigate and recover from cybersecurity incidents.



Support and Maintenance Services for your running Operations

Utilize our experienced team's expertise and skills to support your cybersecurity operations or opt for long-term maintenance contract.

Wiresec offers comprehensive Support & Maintenance services to ensure your cybersecurity infrastructure remains effective and up to date. Our support team is readily available to assist with any issues or concerns, providing timely and expert guidance. We offer regular maintenance services, including system updates, patch management, and performance monitoring, to keep your security systems running smoothly. Wiresec's proactive approach to support and maintenance helps identify and address potential issues before they escalate, ensuring continuous protection for your organization.





ACADEMY: **Trainings & Certifications**

OT Cybersecurity Training

Ensuring robust cybersecurity in Operational Technology (OT) environments requires specialized knowledge and skills. The following training and certification programs are designed to equip professionals with the expertise needed to secure industrial automation and control systems (IACS) in various sectors, including manufacturing, energy, and critical infrastructure.

IC32 - ISA/IEC 62443 Cybersecurity Fundamentals Specialist Training

→ Learn foundational knowledge of the ISA/IEC 62443 standards

- Overview of the ISA/IEC 62443 standards
- Basic concepts of IACS cybersecurity
- Key terminology and principles

IC33 - ISA/IEC 62443 Cybersecurity Risk Assessment for Automation Systems

→ Learn methods for assessing cybersecurity risks in IACS

- Risk assessment methodologies.
- Identifying and evaluating threats and vulnerabilities
- Developing risk mitigation strategies

IC34 - ISA/IEC 62443 Cybersecurity Design & Implementation

→ Learn methods for assessing cybersecurity risks in IACS

- Risk assessment methodologies.
- Identifying and evaluating threats and vulnerabilities
- Developing risk mitigation strategies

IC37 - ISA/IEC 62443 Cybersecurity Operations & Maintenance

→ Focus on the ongoing operational and maintenance aspects of OT cybersecurity

- Continuous monitoring and incident response
- Security maintenance practices
- Managing changes and updates in IACS environments

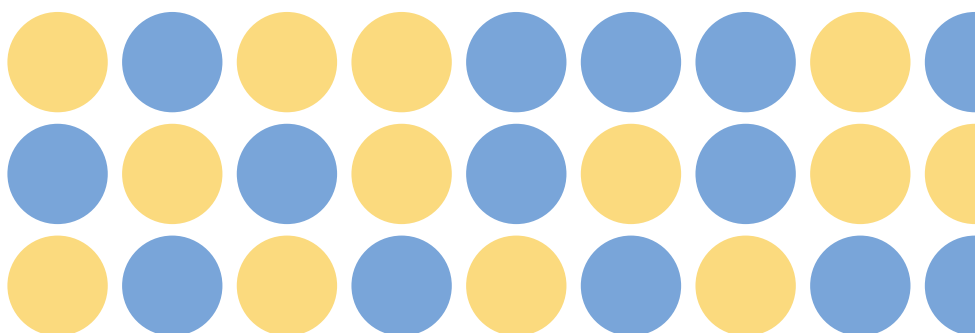
Global Industrial Cyber Security Professional (GICSP)

→ Certify individuals with the necessary skills to manage and protect industrial control systems.

- Industrial control system (ICS) basics
- ICS security architecture and models
- Risk management and assessment in ICS environments.
- Security monitoring and incident response in ICS
- Industry standards and regulatory requirements

Customized OT Cybersecurity Training Programs

- Introduction to OT/ICS Networks & Security
- OT Cybersecurity Fundamentals & Threat Landscape
- OT Networks Protection Strategies, Compliance & Risk Management
- Network Security Principles for OT/ICS Network
- IoT and IIoT Fundamentals & their Security
- Risk Assessment and Management for OT Systems
- Understanding the ICS - SCADA & DCS Fundamentals
- Secure Programming for ICS
- OT Cybersecurity for IT Professionals
- OT/ICS Incident Response & Recovery



Internship Programs

One of its kind Summer Internship Program for students who are interested in OT Cybersecurity.

We are thrilled to offer students a unique opportunity to gain hands-on experience and mentorship in the rapidly growing field of OT cybersecurity. This program is designed to equip aspiring cybersecurity professionals with the knowledge, skills, and real-world insights needed to protect critical infrastructure and industrial systems.

What You'll Learn

During this internship, you will delve into various aspects of OT cybersecurity, including:

- **Introduction to OT Security**
- **Risk Assessment and Management:**
- **Security Design and Implementation**
- **Industry Standards and Best Practices**
- **Firsthand Projects**
- **Expert Mentorship**
- **Networking Opportunities**
- **Career Development**

Who Should Apply

This program is ideal for students who are:

Pursuing a degree in Cybersecurity, Information Technology, Computer Science, or a related field.

Interested in the intersection of cybersecurity and industrial systems.

Eager to learn from experienced professionals and gain practical experience.

How to Apply

To apply for our Summer Internship Program in OT Cybersecurity by either completing online form for a seamless application experience or send your CV at the given email address.



Apply Now: internship@wiresec.co



OUR CLIENTS AND PARTNERS

Industries We Serve

Wiresec has a history of working with diverse range of industries. From industrial cybersecurity and business data integration to managed services and resource engagement and enablement, we have provided services to several organizations. Our expertise, industrial knowledge and service value give us an edge over other market players.



Oil & Gas



Electrical



Water & Waste Water



Railway



Aviation



Transportation



Smart Cities



Marine and Ports



Health & Medical



Pharmaceutical



Fertilizer and Petrochemical



Discrete Manufacturing



Mining



Automobile



Food and Beverages

Technologies and Partners

Technology Support



OEMs Support



Bodies Collaborations



Our Valued Clients





Wiresec Cybersecurity Solutions

United Kingdom

397 London Rd, Southend, Essex,
SS0 7HU
United Kingdom

United Arab Emirates

6481-001, IFZA Business Park,
Building A1, DDA, Dubai Silicon Oasis,
PO Box 413053, Dubai,
United Arab Emirates

Australia

81-83 Campbell Street, Surry Hills,
NSW, 2010, Australia

info@wiresec.co

www.wiresec.co