



VIBERT SOLUTIONS

Industrial Cyber Security, Training, GRC, & Consultancy

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## Executive Summary

The threats are ramping up significantly and most Mission Critical Manufacturing/Engineering companies and Critical National Infrastructures need help in improvement programmes. Only a small percentage of companies with Industrial Networks and Systems have a solid plan to improve their security. Vibert Solutions offers the start of a pathway to improving your security, your end customer's security and ultimately your safety in operation and in business.

If your interest is in baseline discovery or enhancement of existing systems and practices or is in educating your teams or a gap-analysis in compliance with a framework then we can help.

Many organisations are moving into Industry 4.0, IIoT or Digitalisation/Transformation with all the potential these programmes bring. Each programme should have significant cyber and physical security aspects bolstered to meet the new interconnectivity required.

Your data, your staff, your operations are all at risk. Vibert Solutions helps reduce that risk, enhance your security, and improve your business operations.

The benefits of enhanced security, the additional business improvements we offer and case studies together with references are all included in this brochure.

We very much look forward to talking with you and exploring the lifestyle changes in security we can assist with.





## A wide range of services

Vibert Solutions Ltd. advises, consults and presents to CxOs, Boards, Management or shop-floor teams on many security and industrial information subjects such as: -

- Governance documentation Policies and Procedures
- Risk Management with assessments and gap analysis
- Compliance with existing or new frameworks (NIST, NIS-D, IEC62443, etc. )
- Technical Leads on security enhancement programmes
- Site surveys, audits, reviews
- Requirements capture.
- Workshops with your teams, suppliers or end-customers
- Supply-chain security reviews
- Operational Improvements of Cyber Security
- SCADA and Automation basics.
- MES/ Middleware/MOM for business benefits.
- Industrial ICS IIOT Cyber Security basics.
- Industrial ICS IIOT Cyber Security advanced.
- Basic high-level Risks and Information Assurance in Industrial Control Systems.
- Building winning teams for Industrial Cyber Security programmes.
- The Stairway to Security the security enhancement pathways
- Holistic Integrated Security - the Security Convergence Revolution.
- The Security Jigsaw - Onion Rings - The Architectures of Defence.
- Assisting with new partners for Cyber/Physical Security, MES/MOM and Automation.
- The cultures of Customer and Partner engagements.
- Engaging and aligning collaboration with Academia.
- Innovation.
- Building Demonstration/Lab Facilities.
- Business Development for Engineers.
- Training your teams and others.
- Market assessments for product and service launches
- Evangelising - Companies, Products and Solutions.
- Successful Security Workshops.



## Business Benefits of Industrial Cyber Security

- Increases performance – better visibility, faster responses, improves asset/operations management.
- Achieve Compliance with International Standards = de-risks business operations.
- Create standardisations – improves site migrations/coalescences/integration/comprehension.
- Asset Management – improves documentation of assets, asset monitoring, asset efficiencies.
- System Monitoring – Improves system availability, reduces impacts, system and licence documentation.
- Governance – improves visibility of compliance, increases transparency and accountability.
- Information – Better information informs better decision making.
- Access Management – improves accountability and overall asset management and security defences.
- Intrusion Monitoring – Increases visibility of intrusions, alarm and event conditions and reduces risks.
- Securing the future – assists with Business Continuity, future expansions and adaptations.
- Improves morale – better security is better business and safer business.
- Health and Safety - Improving Security improves the integrity of safety systems, building management systems and physical security systems and more...
- Vulnerability awareness – monitoring can provide extensive vulnerability awareness for the board.
- Global standards recognise Cyber Security as being a cornerstone in corporate governance: ISO2700x, NIST CSF, NIS-D, BS31111, etc.



## Experience based Assistance

Vibert Solutions Ltd people have extensive experience in most industries and roles and can assist you in a wide range of business based improvements around SCADA, Automation, MES, Physical and Cyber Security, such as: -

### Market enhancement

- Marcomms via extensive LinkedIn contacts and groups.
- Attendance, meeting delegates and reports of events and conferences.
- Corporate Evangelist
- Design and submission of white papers and advertorials.
- Thought leadership document creation.

### Press and Media events.

- Creation and Management of topical events at HQ or around UK&I
- Arrange and attend engagement visits to SIs, Partners, Vendors, End-Users, Academia, etc.
- Webinars on hard or soft subject topics

### Internal and External Education:

- Training sessions / Brown-Bags on Cyber-Physical topics
- Innovation sessions
- Develop ICS Security training for Boardroom or shop-floor

### Business Reviews

- Website and Market channels

### Customer Engagement Reviews

- Marketing Material and Presentations
- “The Customer Journey”

### Business Development

- Determine new customers
- Engage with new and existing customers
- Determine new verticals and markets

### Build better Market presence and Brand Awareness

- Review current campaigns
- Brainstorms with key internals and externals
- Report current and steps to improve where found.

### Products and Service offerings reviews

- Review current products and services
- Brainstorms with key internals and externals
- Produce and manage innovation groups
- Report current and steps for review and development where found

### Pre-Sales Support

- Engage with current sales people and opportunities
- Assist with SME expertise where useful

**Many other possibilities of assistance or tasks can be discussed – see profiles and successes:**



## Capabilities in Technology

### **Capabilities & Experience:**

Extensive turn-key or ad-hoc capabilities in Technology Consultancy including IT & OT Technology Audits, Technical Requirements Capture, Design, Solutions, Implementation, Training, Support and Maintenance.

Fully encompassing capabilities in the design of communications, industrial OT and IT architectures, hands-on knowledge of a wide range of IT, Organisational and OT methodologies, policy definitions and audits, call handling, documentation, full project lifecycles, change management, project and program management of IT and OT technology projects.

Cross-functional team technical and social collaboration is key to the success of diverse global programmes and our decades of experience will provide this success.

Our wide-ranging Technical capabilities are developed after decades of work on Pharmaceutical, Nuclear, Oil & Gas, Food, Chemical, Manufacturing, Energy, Utilities, Transport, Water, CNI, Medical Devices, Mission Critical facilities.





## Capabilities in Automation

### **Capabilities & Experience:**

Our extensive turn-key or ad-hoc capabilities in regulated Automation Consultancy including Critical OT Automation assets and application Audits, Automation Requirements Capture, Automation Design, PLC/DCS/SCADA/IED/MES and Historians Solutions, links to ERP Solutions, full or collaborated Implementation, customised subject Training, and our comprehensive Support and Maintenance capabilities.

Our fully encompassing capabilities in a wide range of automation platforms and industrial cyber defence-in-depth protection and monitoring include OT and IT design of communications, industrial architectures, User Interfaces, and ConOps will be customised to each site's scenarios.

Our hands-on knowledge of a wide range of IT, Organisational and OT international methodologies, reference architectures, segmentation, perimeter protection, asset and architecture inventories, documentation and full project lifecycles, change management, project and program management of IT and OT technology projects will be integrated with site and customer teams on each phase of work.

Multi-site migration planning and integrating a cross-functional team for full technical and social collaboration is key to the success of diverse global programmes and our decades of experience will provide this success.

Our wide-ranging Automation capabilities are developed after decades of work on Pharmaceutical, Nuclear, Oil & Gas, Food, Chemical, Manufacturing, Energy, Utilities, Transport, Water, CNI, Medical Devices, Mission Critical facilities.



## Capabilities in Governance, Risk & Compliance

### **Capabilities & Experience:**

Our extensive turn-key or ad-hoc GRC leadership, assurance and implementation capabilities in regulated Automation Consultancy include GRC designs, and technology.

Our capabilities include roles as Cyber Technical Leads including Global Standards Compliance and Audits, Risk Analysis and Management and Governance Document provision and will be integrated with each site and customer teams on each phase of work.

Our provision can include developing global frameworks, compliance matrices, audits, gap analysis, development of global Policies and Procedures and Operating Instructions, Risk Assessments and Mitigation/Remediation plans.

Our GRC capabilities include full Risk Monitoring and Risk Assessments of OT and IT systems, Training and staff development for a security culture, creation of security innovation teams and vendor capability/compliance assessments.

Our wide ranging GRC capabilities are developed after decades of work on Pharmaceutical, Nuclear, Oil & Gas, Food, Chemical, Manufacturing, Energy, Utilities, Transport, Water, CNI, Medical Devices, Mission Critical facilities.



## Industrial Cyber Security Experience – Vibert Solutions

Extensive Industrial Automation, Manufacturing Information and Execution, CIP, Compliance, Multisite/Global, Governance, Physical Security and Industrial Cyber Security Experience.

Chartered IT Professional. Extensive growing testimonials from colleagues and customers in Food, Water, Nuclear, Nuclear Reprocessing, Energy, Transport, O&G, Pharmaceuticals, Chemicals, Cement, Rail, Medical Devices, etc. in UK and Overseas.

Worked on projects for most industries and verticals creating first MES system including senior management consulting projects.

Widely known in Automation, MES, Industrial Cyber Security industries in UK and overseas. 18k+ LinkedIn contacts. Frequent Chair, Speaker and Panellist at Industry Events and Conferences. Institute Education Officer and Chair of Institute Cyber SIG.



Case Studies

<b>Mission Critical Public Icon</b>	
<b>Customer</b>	<b>Business Need</b>
Undisclosed UK facility in public eye.	Review current technical and contractual aspects of an internationally renowned large public facility for current best practice. Carry out a gap analysis.
<b>Our Solution</b>	<b>Business Benefit</b>
Site surveys. Contract Reviews. Multiple interviews with 3 <sup>rd</sup> party suppliers and customer teams. Assess gaps and rate each issue for remedy or further reviews. Review Infrastructures, Networks, Communications, Physical Security, Cyber Security, Risk Assessments, Impact Assessments, System Resilience and DR. Identify areas for improvements.	External 3 <sup>rd</sup> party review of asset. Security assessment to best practice. Cold-eye review report for business reviews. A wide range of suggestions and enhancements provided. Customer delighted.



<b>Reducing the Risks</b>	
<b>Customer</b>	<b>Business Need</b>
One of the world's leading Oil Chemical Companies	Client realised the need to improve Cyber Security on all their manufacturing plants. Client required our assistance to provide Technical Leadership for Cyber Security project including design, governance, liaisons and experience.
<b>Our Solution</b>	<b>Business Benefit</b>
<ul style="list-style-type: none"> <li>✓ Perform role of Industrial Cyber Technical Lead.</li> <li>✓ Creation and updates to an Overall global Cyber Security Risk Management Methodology.</li> <li>✓ Creation and updates to an Overall global Cyber Security Risk Management Tool.</li> <li>✓ Process Technical Team Global Liaisons.</li> <li>✓ Risk Methodologies to IEC62443, NIST and ANSSI.</li> </ul>	<ul style="list-style-type: none"> <li>✓ Standardized Global Risk Management Methodology</li> <li>✓ Standardized Global Risk Management Tool</li> <li>✓ Standard Risk Records for future data mining.</li> </ul>



### Critical National Infrastructure Protection Facility

Customer	Business Need
One of the worlds leading CNI Prime Integrators	Requirement was for a multi-faceted Demo, Training and Development Facility to assist the business to with their Critical National Infrastructure Protection programmes.
Our Solution	Business Benefit
<ul style="list-style-type: none"> <li>✓ Perform role of Industrial Cyber Subject Matter Expert</li> <li>✓ Perform role of Customer Engagement Manager.</li> <li>✓ Perform role of CNI Application Development Manager.</li> <li>✓ Creation and Management of a CNI Protection Facility.</li> <li>✓ Architected overall Facility.</li> <li>✓ Vendor Liaisons and Customer Liaisons.</li> <li>✓ Innovation Design projects.</li> <li>✓ Physical Security and Cyber Security</li> <li>✓ ICS, Automation, DCS, SCADA, Historians, etc.</li> <li>✓ Command and Control Systems.</li> <li>✓ Cyber Security, Forensics, Communications, Trust and multi-innovation led technologies.</li> <li>✓ Training and Development.</li> </ul>	<ul style="list-style-type: none"> <li>✓ Customer Engagement Capability.</li> <li>✓ Business Development Opportunities.</li> <li>✓ System and Solution Demonstrations.</li> <li>✓ Sales and Marketing Aid.</li> <li>✓ System and Integration de-risking through trials and testing.</li> <li>✓ Project de-risking.</li> <li>✓ Exploration and discovery of innovative systems, applications and methods.</li> <li>✓ Internal and External Training Learning</li> </ul>



<b>Security through Compliance</b>	
<b>Customer</b>	<b>Business Need</b>
One of the world's leading Pipeline Companies	Client required Industrial Cyber Security applied to their Automation, SCADA and Telemetry Designs. Client required our assistance to provide Technical Authority including design, governance, solutioneering, experience and compliance
<b>Our Solution</b>	<b>Business Benefit</b>
<ul style="list-style-type: none"> <li>✓ Perform role of Industrial Cyber Technical Design Authority.</li> <li>✓ Creation of an Industrial Cyber Security Risk Management Project Methodology.</li> <li>✓ Architected overall Cyber Security Project Plan.</li> <li>✓ Process Technical Team Liaisons.</li> <li>✓ End-Customer Technical Liaisons.</li> <li>✓ Compliance Methodologies to IEC62443, NIST and IS2700x.</li> </ul>	<ul style="list-style-type: none"> <li>✓ Compliant risk management methodology</li> <li>✓ Compliant information management methodology</li> <li>✓ Compliant cyber security design approach.</li> <li>✓ Clarity of Cyber Project step-by-step execution.</li> </ul>



### Taming the Genie in the bottle

Customer	Business Need
One of the world’s leading Nuclear sites	Client required Industrial Cyber Security scalable and repeatable and standardized methodologies applied to their Automation, DCS, SCADA installations.
Our Solution	Business Benefit
<ul style="list-style-type: none"> <li>✓ Perform role of Industrial Cyber Subject Matter Expert for 6month 20man programme.</li> <li>✓ Creation of an Industrial Cyber Security Risk Management Project Methodology.</li> <li>✓ Architected overall Cyber Security Project Plan.</li> <li>✓ Process Technical Team Liaisons.</li> <li>✓ End-Customer Technical Liaisons.</li> <li>✓ Compliance Methodologies to IEC62443, NIST, ANSSI, IS1, IRAM and IS2700x.</li> </ul>	<ul style="list-style-type: none"> <li>✓ Accepted methodologies suitable for 100+ different systems of wide-ranging ages.</li> <li>✓ Compliant risk assessment methodology</li> <li>✓ Compliant information management methodology</li> </ul>





### Critical National Infrastructure Protection Facility

Customer	Business Need
Global Cyber Security Vendor	Requirement was for an independent Industrial Cyber Technical Adviser to survey the market, advise on tactical approaches, develop marcomms material and review product compliance to 62443
Our Solution	Business Benefit
<ul style="list-style-type: none"> <li>✓ Provide Industrial Cyber Consultancy.</li> <li>✓ Vendor Liaisons</li> <li>✓ Customer Technical Liaisons.</li> <li>✓ Product and Market Surveys.</li> <li>✓ Technical Assessments.</li> <li>✓ Technical Compliance Studies.</li> <li>✓ Provision of Market Material.</li> </ul>	<ul style="list-style-type: none"> <li>✓ Market Trends Awareness</li> <li>✓ Product Impact Awareness</li> <li>✓ Sales benefits of standards compliance.</li> <li>✓ Market positioning awareness</li> <li>✓ Independent product review</li> <li>✓ Independent product comparisons</li> </ul>




<b>Pharmaceutical Manufacturing</b>	
<b>Customer</b>	<b>Business Need</b>
GSK – Dartford 	
<b>Our Solution</b>	<b>Business Benefit</b>
<ul style="list-style-type: none"><li>▪ Batch Information</li><li>▪ Instrumentation Information</li><li>▪ Combined Batch and Process Reporting</li><li>▪ Scientific Data Reports</li><li>▪ Batch, Daily, Weekly Management Reports</li><li>▪ Process Efficiency Reports</li><li>▪ OT Systems Monitoring</li></ul>	<ul style="list-style-type: none"><li>▪ Thousands of Process Data Points logged and batch reported.</li><li>▪ Time-based combined- data reporting.</li><li>▪ Multi-Batch overlay visibility.</li></ul>



### Cyber Security Consultancy

Customer	Business Need
Global Cyber Security Vendor	Requirement was for an independent Industrial Cyber Technical Adviser to survey the market, advise on tactical approaches, develop marcomms material and review product compliance to IEC 62443
Our Solution	Business Benefit
<ul style="list-style-type: none"> <li>✓ Provide Industrial Cyber Consultancy.</li> <li>✓ Vendor Liaisons</li> <li>✓ Customer Technical Liaisons.</li> <li>✓ Product and Market Surveys.</li> <li>✓ Technical Assessments.</li> <li>✓ Technical Compliance Studies.</li> <li>✓ Provision of Market Material.</li> </ul>	<ul style="list-style-type: none"> <li>✓ Market Trends Awareness</li> <li>✓ Product Impact Awareness</li> <li>✓ Sales benefits of standards compliance.</li> <li>✓ Market positioning awareness</li> <li>✓ Independent product review</li> <li>✓ Independent product comparisons.</li> </ul>



<b>Pharmaceutical Manufacturing</b>	
<b>Customer</b>	<b>Business Need</b>
<p>GSK Worthing</p> 	<p>MES Batch Production Monitoring  MES Batch Process Management  Manufacturing Validation Storage  Batch Data Historical Recording and Retrieval  Scientific Analysis Capabilities</p>
<b>Our Solution</b>	<b>Business Benefit</b>
<ul style="list-style-type: none"> <li>▪ Batch Information</li> <li>▪ Instrumentation Information</li> <li>▪ Combined Batch and Process Reporting</li> <li>▪ Scientific Data Reports</li> <li>▪ Batch, Daily, Weekly Management Reports</li> <li>▪ Process Efficiency Reports</li> <li>▪ OT Systems Monitoring</li> </ul>	<ul style="list-style-type: none"> <li>▪ Thousands of Process Data Points logged and batch reported.</li> <li>▪ Time-based combined- data reporting.</li> <li>▪ Multi-Batch overlay visibility</li> </ul>




<b>Medical Device Manufacturing</b>	
<b>Customer</b>	<b>Business Need</b>
<p>Ocular Sciences – Southampton</p> <p><b>Ocular Sciences</b> A Coopervision Company</p>	<p>MES Production Monitoring  MES Process Management  Manufacturing Validation Storage  Data Historical Recording and Retrieval  Scientific Analysis Capabilities</p>
<b>Our Solution</b>	<b>Business Benefit</b>
<ul style="list-style-type: none"> <li>▪ Consultancy and Implementation</li> <li>▪ Process Information</li> <li>▪ SCADA Continuous and Batch process management</li> <li>▪ Instrumentation Information</li> <li>▪ Operational Reporting</li> <li>▪ Network Management</li> <li>▪ Validation Reporting</li> <li>▪ Scientific Data Reports</li> <li>▪ Daily Management Reports</li> <li>▪ Process Control Efficiency Reports</li> <li>▪ OT Systems Monitoring</li> <li>▪ Training</li> <li>▪ CxO Consulting</li> <li>▪ WebReporting Services</li> <li>▪ Validation Data Storage</li> </ul>	<ul style="list-style-type: none"> <li>▪ Process Data Points logged and reported.</li> <li>▪ Time-based secure data reporting to 21CFRpt11 compliance.</li> <li>▪ Performance visibility.</li> <li>▪ 1st InTrack MES in UK</li> <li>▪ Customer delighted</li> </ul>




<b>Pharmaceutical Manufacturing</b>	
<b>Customer</b>	<b>Business Need</b>
<p>GSK Worthing</p> 	<ul style="list-style-type: none"> <li>▪ Process Historian and Analysis</li> <li>▪ Requirements Analysis</li> <li>▪ Operational Monitoring</li> <li>▪ Compliance Data and Reporting</li> <li>▪ Information Analysis and Design</li> <li>▪ Installation</li> <li>▪ Implementation</li> <li>▪ Testing</li> </ul>
<b>Our Solution</b>	<b>Business Benefit</b>
<ul style="list-style-type: none"> <li>▪ Consultancy and Implementation</li> <li>▪ Process Information</li> <li>▪ Instrumentation Information</li> <li>▪ Operational Reporting</li> <li>▪ Network Management</li> <li>▪ Validation Reporting</li> <li>▪ Scientific Data Reports</li> <li>▪ Daily Management Reports</li> <li>▪ Process Control Efficiency Reports</li> <li>▪ OT Systems Monitoring</li> <li>▪ Training</li> <li>▪ CxO Consulting</li> <li>▪ Validation Data Storage</li> </ul>	<ul style="list-style-type: none"> <li>▪ Critical Chemistry Batch Process Data Points logged and reported.</li> <li>▪ Time-based secure data reporting to 21CFRpt11 Standards compliance.</li> <li>▪ Performance visibility.</li> <li>▪ Customer delighted</li> </ul>



## FMCG and Chemicals Manufacturing


Customer	Business Need
Proctor and Gamble - Dartford  	MES Production Monitoring MES Process Management Manufacturing Validation Storage Data Historical Recording and Retrieval Scientific Analysis Capabilities
Our Solution	Business Benefit
<ul style="list-style-type: none"> <li>▪ Consultancy and Implementation</li> <li>▪ Process Information</li> <li>▪ Instrumentation Information</li> <li>▪ Operational Reporting</li> <li>▪ Network Management</li> <li>▪ Validation Reporting</li> <li>▪ Scientific Data Reports</li> <li>▪ Daily Management Reports</li> <li>▪ Process Control Efficiency Reports</li> <li>▪ OT Systems Monitoring</li> <li>▪ Training</li> <li>▪ CxO Consulting</li> <li>▪ Validation Data Storage</li> </ul>	<ul style="list-style-type: none"> <li>▪ Process Data Points logged and reported.</li> <li>▪ Time-based secure data reporting to P&amp;G Standards compliance.</li> <li>▪ Performance visibility.</li> <li>▪ 1st SPC MES in UK</li> <li>▪ Customer delighted</li> </ul>



<b>Food Manufacturing</b>	
<b>Customer</b>	<b>Business Need</b>
Ginsters – Cornwall  	MES Production Monitoring MES Process Management Manufacturing Validation Storage Data Historical Recording and Retrieval Scientific Analysis Capabilities
<b>Our Solution</b>	<b>Business Benefit</b>
<ul style="list-style-type: none"> <li>▪ Consultancy and Implementation</li> <li>▪ Process Information</li> <li>▪ Instrumentation Information</li> <li>▪ Operational Reporting</li> <li>▪ Network Management</li> <li>▪ Validation Reporting</li> <li>▪ Scientific Data Reports</li> <li>▪ Daily Management Reports</li> <li>▪ Process Control Efficiency Reports</li> <li>▪ OT Systems Monitoring</li> <li>▪ Training</li> <li>▪ CxO Consulting</li> <li>▪ WebReporting Services</li> <li>▪ Validation Data Storage</li> </ul>	<ul style="list-style-type: none"> <li>▪ Process Data Points logged and reported.</li> <li>▪ Time-based secure data reporting for audit compliance.</li> <li>▪ Performance visibility.</li> <li>▪ Customer delighted</li> </ul>





<b>Food Manufacturing</b>	
<b>Customer</b>	<b>Business Need</b>
Ryvita - Poole.  	<ul style="list-style-type: none"> <li>▪ Convert 40Mb spreadsheet into MES</li> <li>▪ Validation Data Storage</li> <li>▪ Manufacturing Reporting</li> <li>▪ Scientific Reporting</li> <li>▪ Efficiency Reporting</li> </ul>
<b>Our Solution</b>	<b>Business Benefit</b>
<ul style="list-style-type: none"> <li>▪ Consultancy and Implementation projects over several years</li> <li>▪ Requirements Analysis</li> <li>▪ Turnkey Design and Installation</li> <li>▪ Process Information</li> <li>▪ Instrumentation Information</li> <li>▪ Operational Reporting</li> <li>▪ Network Management</li> <li>▪ Validation Reporting</li> <li>▪ Scientific Data Reports</li> <li>▪ Daily Management Reports</li> <li>▪ Process Control Efficiency Reports</li> <li>▪ OT Systems Monitoring</li> <li>▪ Web-based Reporting</li> <li>▪ Training</li> <li>▪ Project Management</li> <li>▪ Enterprise Consulting</li> <li>▪ New Control Room</li> </ul>	<ul style="list-style-type: none"> <li>▪ 90% reduction in manual inputs</li> <li>▪ Improvements in efficiency, accuracy, transparency and reporting</li> <li>▪ Process and Operational Data Points logged and reported.</li> <li>▪ Time-based secure data reporting for audit compliance.</li> <li>▪ Performance visibility.</li> <li>▪ 1<sup>st</sup> Citect MES in UK</li> <li>▪ Customer delighted</li> </ul>

## Vibert Solutions Limited example Consultant:

Chartered IT Professional. CIP MIET MIMC MBCS MISA MISSA  
MISACA aMIISP MIoD CCCCISP ICS-CERT.

Over 18,000 LinkedIn 1<sup>st</sup> level contacts.

Founder/Manager of multiple LinkedIn Groups.

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An Industrial Cyber Security Consultant, Customer and Supplier Engagement Manager, Solution Architect, Systems Manager with over 20 years in Industry, managing solutions and teams in a wide range of markets and industries. He is well known in the Security, Cyber, Automation and Industrial Information Industries and an Accredited Systems Architect. Creation and management of the Critical Infrastructure Protection (CIP) Facility and the TRUST Security Explorer Facility for Thales UK in Basingstoke.

Previously worked on projects with EDF, Sellafield, RWE, National Grid, BP, KOC, Network Rail, Thames Water, Dwr Cymru, Jordans Ryvita, Shell, Ford and many more.

Experienced with Command and Control C2 Systems, Control Rooms, System of Systems, CCTV, Cyber, Access Control, Situational Awareness, Robust and Resilient Architectures, PLCs, SCADA, HSMs, Encryption, Industrial Networks, Knowledge Databases, and Reporting Solutions. Throughout career production of many papers, references, editorials and public speaking engagements.

### Solutions and Customer examples.

Physical & Cyber Security Partnering, Command and Control Rooms C2/C3/C4/C4i, Integrated Systems, CCTV Systems, Innovative Sensor Systems, Incident Management, Emergency Management, Integrated Communications, GIS/GEO systems, Situational Awareness Capability, Advanced Intrusion Detection, Radar/Seismic/Sonic/Magnetic/imagery/IR/UV, Integrated Access Control, Industrial Data Networks, Resilient Solutions, Asset Management, Data Intelligence Integration, Mobile CBRN Sensor solutions, Cyber Security Solutions.

CPNI, NIST, IEC 62443, Security, PSIM, CCTV, Command and Control, C2, SoS, HSM, High Security Systems, nCipher, eSecurity, Holistic Situational Awareness, Control Rooms, Manufacturing Execution Systems, SCADA, Industrial Information, Historians, Tracking, Automation, Control, Web, Networks, Kaspersky, DeepSecure, L3TRL, Rockwell, Wonderware, Siemens, Invensys, AspenTech, Schneider, Honeywell, ABB, Citect, GE Fanuc, etc.

Solutions provided for BP Exploration, GSK, Stelrad Doulton, Imerys, Infineum, Astra Zeneca, British Steel, Ginsters, Ryvita, Coopervision, Thames Water Utilities, Welsh Water (Dwr Cymru), ICI, Highland Springs, SGS Thomson, Ford, Sibur, ISD, Pall, Ryvita, BlueWater, Astra Zeneca, Siemens, BOC, Network Rail, EDF, London Underground, Tubelines and many more.



## Selected Testimonials

Infonomics Society

**Martin Visser, Chair**

Cevn has an inexhaustible source of ICS security knowledge, and a great guy to work with!

IQPC

**Herve Bavazzano, Sales Director.**

Great source of knowledge and a key advisor to the industry. Great guy too. Highly recommend engaging with Cevn Vibert

SolutionsPT

“Cevn has helped us to make significant progress in this Cyber Security area by defining thought leadership content, a range of potential suppliers, partners and solutions and a Cyber Security business plan.”

Thales

**Roger Ingle, Technical Director.**

I have known and worked closely with Cevn for the last five years of this period. Throughout his time at Thales Cevn’s attitude, behaviours and commitment have been of the highest standard. His personal standards and integrity have been exemplary and he has applied high levels of creative and adaptable intelligence to his work. Cevn has contributed to the down-selection and winning of several bids and prospects over this time and built a team exploring Information Solutions and Knowledge Management for Thales corporate. Cevn is a Founder Team Member of the Thales Innovation Group and has consistently demonstrated enthusiasm for innovative applications of technology. He is an effective communicator and has successfully delivered training courses and mentored other staff. In his role as Research and Development Manager working directly for me, he was particularly skilled at building collaborative relationships with partners, suppliers and potential clients. I would be pleased to answer any further questions relating to Cevn’s suitability for a specific role.

**Matthew Tucknott. Software Specialist GIS**

“Cevn is a great person to work with. Dynamic and very hard working. He seamlessly mixes with junior members of staff as well as senior members of staff. He clearly has great expertise in his field of National Security. He can get the best out of people that work with him.”

**Ben Davis, Supportability Engineer**

“Cevn was an excellent Mentor to me during my first two years with the company. His experience and expertise within the company provided me with the ideal person to talk to with regards to all aspects of my professional, and personal, development within Thales. I can attribute my growth within the company, and towards Engineering Chartership directly, with the excellent advice and guidance he has provided to me”

**Nicol McNeil, Sales and Business Development Manager.**

“I had the great pleasure of working alongside Cevn within Thales' National Security and Resilience team; I know him to be an extremely capable for very complex Critical Infrastructure projects and requirements, who consistently demonstrates a depth of knowledge, integrity and high attention to



detail in the definition of solutions to satisfy both customers and Thales. Cevn's analytical, strategic thinking and inter-personal skills make him a key asset in any team."

**Steve Elmes, Business Lead, Thales Consulting and Cyber**

Cevn is an extremely knowledgeable and experienced solution architect. I've had the pleasure of working with Cevn in the Thales UK Cyber Security practice where he has demonstrated his ability to successfully engage with senior Client and Partner company representatives and recommend him without hesitation.

**John Ratajczak, Systems Engineering Consultant**

"I worked with Cevn conducting business analysis of the security/safety needs for a major UK nuclear establishment. Cevn demonstrated an in-depth knowledge of industrial control systems and their application to provide cost effective and practical solutions. He demonstrated the ability to work effectively and professionally within a team but also was well respected for his leadership skills. Cevn was a pleasure to work with."

**Ian Christie, Engineering Manager**

"Cevn worked with me directly on the definition of a large-scale security control facility for a key national infrastructure site and indirectly on a Critical Infrastructure Protection demonstration facility. He has wide ranging knowledge of industrial control, automation, information and security systems and architectures, and is able to apply this knowledge at the high "blue sky thinking" level right down to the implementation and integration level. He brings both innovation and a methodical approach to problem solving. Cevn is also a people person who can communicate easily and professionally at all levels, with a calm style and a dry sense of humour."

**Sara De Neut, Key Account Leader**

"Cevn is a highly professional, extremely knowledgeable solution architect. He clearly demonstrates deep domain expertise and is happy to explain technical matters in a way that is understandable to someone less familiar with the subject. Cevn is also hard working, customer and delivery focused and an absolute pleasure to work with."

**Gerald Callus, Bid and Programme Manager**

"I have had the pleasure of working with Cevn, who acted as Solution Architect of a number of bids and internal projects I led. I found Cevn to be both versatile and adaptable and he brings a wide range of skills and good technical abilities to the team. Cevn is very professional, has a first class work ethic and a keen enquiring mind, tackling all challenges in a methodical and thorough manner. Cevn also has great people skills and takes time to understand requirements, both in the technical and business context, before diving into the task. I thoroughly enjoyed working with Cevn and look forward to the next opportunity to work with him"

**Allan Crewe, Senior Consultant Thales (ex-Engineering Manager, Ferranti Europe)**

Cevn worked with me to design solutions to several systems in the Rail Sector in condition monitoring of trains and the control and monitoring of rail traction power supplies. Cevn was extremely professional in analysing the requirements and producing designs for the aspects of the project he was responsible for. He also dealt with both potential suppliers and sub- contractors in an extremely professional manner. I found him very reliable in producing deliverables to time and quality. He is also extremely easy to get on with and work with. "



**Andy O'Malley, Programme Manager**

"I worked with Cevn for a number of years at Thales and found him to be a valued colleague. He has a calm and personable style, a great sense of humour and an ability to work well within any team. Cevn is also very capable with a broad depth of knowledge and experience coupled with a solid work ethic. In my view he comes highly recommended."

**Rockwell Automation MPS**

**Roland Ladewig, BU Manager/Leader Application Centre at Rockwell Automation MPS**

"It was a pleasure to work with Cevn. He managed in extremely short time to get into the objectives of the job. Furthermore Cevn achieved to get us(Rockwell Automation) into market regions and industries we have not been before. His way of cooperation and driving things is outstanding. As an employee it was helpful to have an employee that managed constructive inputs to get the team in the right direction. I would recommend Cevn to anyone who needs a person that is capable to manage complex projects and sales opportunities as well as intensive customer approaches. Short version: Thanks Cevn"

**Chris Rickey, Information Solutions Manager at Rockwell Automation**

"I have worked with Cevn on several sales opportunities and internal projects. Cevn knows the MES space very well and always brings a unique perspective. He can talk about low level details such as how particular network protocols affect PLC communications all the way up to best practices on ERP integration and everything in between. I look forward to working with Cevn more in the future."

**Giorgio Tori, Director Software EMEA at Rockwell Automation**

"I have enjoyed working with Cevn; he has achieved many MES firsts for Rockwell across EMEA. Industry is really ready for MES and Rockwell gained this understanding through Cevn's good and substantial efforts."

**Jiri Capek General Manager, Controller, Finance & Business CEE at Rockwell Automation**

"Cevn has developed and supported the business in our emerging markets mainly to support alliances and promote global connections to customers and partners. Cevn has significantly increased Rockwell footprint in the region."

**Silchester Control Systems**

**Ian Trew, Head of Engineering at Ryvita**

"Cevn designed, developed and implemented a full Factory Wide MES production information system for us, collecting detailed production and process information from countless devices across a robust industrial network. The information was organised and widely distributed to enable intelligent business improvement decision making. Cevn was responsible for Sales, Engineering, Consultancy and Project delivery to us for many of our Capital Projects. He delivered large projects to us, on time and to budget, and helped to market these successes across our Enterprise to both Board and Shopfloor.

Cevn has integrity, clear thinking, a sound grasp of true business benefits and a positive sense of humour that makes him continually a pleasure to work with.

One of those rare people you can work WITH to achieve the goals of all parties.

I strongly recommend him to other businesses as I know they will also benefit from a Cevn Project!"

**Mark Honey, Senior Sales Executive at ICM Business Continuity Services**

"Cevn and I collaborated together when he was working at Silchester. I was working at Stratus on a number of complex MES and safety critical system projects that required his in depth knowledge of the issues around implementing complex control systems within highly regulated industries. I found his in depth subject knowledge expertise extremely useful working on these projects."

**Richard Porter, Senior Consultant & Partner at Forward Solutions**

"Cevn contracted technical resource to my projects whilst working for one of the major pharmaceutical corporations. Throughout he was always professional, knowledgeable, personable, and would put in whatever extra was required to get the job done ...."

**Sam Thiara, System Integrator channel manager at Schneider Electric**

"I worked with Cevn on a major project for a food company implementing a Performance Management solution (MES). I found Cevn's approach to the whole project added great value to our business relationship and assisted the client to achieve increased yield, empowered management with an insight into previously undetectable plant issues and more importantly assisted the change process in a structured and demonstrable manner.  
Only one of a few people that understand the MES space."

**Plato Business Group****Paul Gordon, Director at Catalyze Ltd**

"Cevn always made very helpful contributions to the PLATO group meetings, asking some of the hard questions that needed to be asked. Cevn also added a bit of fun at the times it was needed. It was a pleasure working with Cevn."

**Bob Squirrel, Managing Director at Technology Marketing Management**

"Cevn is a thorough professional, paying great attention to detail while always seeing the bigger picture. He combines excellent technical knowledge with good management skills and clear, confident communications abilities. A great asset to any organisation!"

**Adrian Leach, Director - Business Development at HCR Group and Plato Business Leader**

"In life there are those that talk about doing and those that actually do. Cevn is the latter. He is a dynamic team player who inspires others to get involved, to share openly and honestly and is man with high ethical standards. Cevn has a wicked sense of humour that makes it a joy to work with him. He is insightful, often observing fundamental elements of a problem that others have missed and then clearly explaining those issues to allow others to work with him to 'buy' into consensual solutions.

Cevn's PLATO Group have consistently demonstrated the most energy and willingness to work together for their individual success than any other PLATO Group. Cevn is typical of the group membership and I commend him to you."

**Cougar Automation****Richard Sellwood, MD Cougar Automation**

"Cevn was a valuable member of my team. I enjoyed working with Cevn and relied on his technical knowledge and professionalism in carrying out his role as MES Business Manager."



**Ian Manners, Project Manager Cougar Automation**

"Cevn is extremely knowledgeable, patient and very good at what he does. He is also a nice guy. A real pleasure to have worked with him!"

**Keith Monkton, IT Manager Coopervision**

"Cevn is personable, professional and expert with a high level of integrity. He always delivered the right solution at the right time with enthusiasm and a great work ethic and was held in high regard across the Coopervision/Ocular Sciences group. I would have no hesitation in recommending Cevn."

PACS

**Pete Gasson, Project Manager PACS**

"Cevn, is a very competent and committed engineer and we spent many a long evening together working into the early hours commissioning hardware and software on sites. Even under those stressful conditions he was always fun to be with and the quality of the end results of our efforts were plain to see. His SCADA knowledge was exceptional and the lack of a front-end drawing package with some didn't faze him.

I believe he still holds the record for writing and commissioning PLC and SCADA software for a large wastewater site... 2 weeks from scratch after he built SCADA auto-generator software to do it. Since the Pacscom days he has branched out into MES and the same commitment is noticeable. On the leisure side even his fishing is improving."

**Mike Knights, Sales Director PACS**

"Cevn was one of a small team working on our SCADA systems projects. He was very committed and worked to do the job even if this meant long hours etc.

He had a good working knowledge of several SCADA Suites, working on FIX, INTOUCH and a DEC Vax based package. (Dexterity)

I have kept touch with Cevn after he left PACS Ltd and he has worked for PACSCOM (New name of PACS Ltd) as a supplier specifically on Pharmaceutical based SCADA systems with their associated requirements for logging and archiving data to meet legislative standards.

Cevn also networks in the industry and is knowledgeable about the industry trends and current technologies."



Selected Industry Event links

IET International Conference on Systems Safety and Cyber Security (2017-2019)  
<https://events2.theiet.org/cyber-safety/speakers.cfm>

Critical Infrastructure Protection and Resilience Europe. 2018 Hague, 2019 Milan.  
<https://www.cipre-expo.com/cevn-vibert/>

Aviation Cyber Security Conference 2017 Chair  
<https://aviationcybersecurity2017.sched.com/speaker/cevn>

Maritime Cyber Security Conference 2018 – Chair  
<https://www.maritimeprofessionals.net/employment/maritime-security-experts-to-gather-at-london-cyber-security-conference-article-449.aspx>

ISC2 Blog 2017  
[https://blog.isc2.org/isc2\\_blog/2017/12/exploring-industrial-cyber-physical-security-enhancement.html](https://blog.isc2.org/isc2_blog/2017/12/exploring-industrial-cyber-physical-security-enhancement.html)

The Battery Technology Show 2018  
<https://www.batterytechnologyshow.com/speakers18.aspx>

ISC2 Secure Summit Conference 2017  
<https://www.professionalsecurity.co.uk/news/training/cyber-days-in-london/>

Essential Tips for Cyber – Innovate UK  
<https://innovateuk.blog.gov.uk/2018/03/05/essential-tips-for-cyber-security/>

Cyber Exchange News  
<https://cyberexchange.uk.net/#/companynews/624>

Thales Cyber and Security Facility Manager  
<https://nickdenbow.wordpress.com/2014/06/18/thales-promotes-cybersecurity-business-line/>

Security Conference 2016  
SC Magazine Conference  
Cyber Security Conference CSC2016

Strategic growth expertise  
<http://www.machinebuilding.net/n/n5577.htm>

Control Engineering article  
<http://www.controlengurope.com/article/123776/Cyber-security-requires-buy-in-at-all-levels.aspx>

Malvern Festival Cyber Security event  
<https://www.festival-innovation.com/programme/cyber-security>

Deep Secure Breakfast Briefing at UK National Cyber Centre  
<https://declara.com/content/eaLp9L8a>

InstMC Robot Donations  
<http://www.ecs.soton.ac.uk/news/1273>

CNI and Vibert and Kaspersky  
<https://www.gtnews.com/2016/05/11/critical-infrastructure-defence-from-cyber-threat-a-mess/>  
<http://www.innovoil.co.uk/single-post/2016/05/23/Energy-industries-face-up-to-cyber-security-risk-1>  
<http://www.professionalsecurity.co.uk/news/interviews/keeping-the-lights-on/>  
<http://www.zdnet.com/article/cybersecurity-of-critical-infrastructure-is-a-mess-and-nations-must-cooperate-to-fix-it-warns-eugene/>

Silchester and Citect  
<http://www.automation.com/automation-news/industry/silchester-awarded-silver-integrator-partner-status-with-citect>

Nuclear Security  
<http://www.slideshare.net/UKTI2014/cevn-vibert-presentation-1>