

Industrial systems control expert






Profile	<p>Forty-five years of industry dedicated professional involvement in information technology applied in industrial systems: methodologies, design, implementation, coaching, teaching, research</p> <ul style="list-style-type: none"> - Enterprise performance management - Artificial and systemic intelligence leverage/development - Physical and business process agility - Digital transformation, Industry X.0 / Smart / Future opportunities - Interoperability - MES (Manufacturing execution systems), - Automation, process control, cyber-physical systems 												
Professional Experience	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%; padding: 5px;">2017-2020</td> <td style="padding: 5px;"> AGHAREN / Cabinet Tanous (FR) <i>Process modelling and control for AI ready industrial systems</i> Ontology and interoperability research Formalization of a morphogenetic approach to operations and business process management that allows multilevel/deep neuronal data drill down and seamless interoperability Software design specification Process modeler, interoperability protocol, process router </td> </tr> <tr> <td style="padding: 5px;">2005-2020</td> <td style="padding: 5px;"> Y School (business school), UTT Technology University of Troyes, (FR) <i>Higher Education</i> Lecturer MSPTI "Specialized Master <i>Manager of Industrial Performance and Transformation</i>" SY20 "Industrial Intelligence" <ul style="list-style-type: none"> - Intelligence and performance of industrial systems - Digital transformation of industrial systems </td> </tr> <tr> <td style="padding: 5px;">2019</td> <td style="padding: 5px;"> Diagoris/Electrolux (FR) Digital transformation diagnostic Problematic Manufacturing IT migration </td> </tr> <tr> <td style="padding: 5px;">2018</td> <td style="padding: 5px;"> Diagoris/Gravotec Digital transformation diagnostic ERP migration options assessment </td> </tr> <tr> <td style="padding: 5px;">2017-2018</td> <td style="padding: 5px;"> ENGI Cofely (FR) <i>Energy production and distribution systems</i> Digital transformation expert Industry 4.0, SCADA, control and digital transformation expertise </td> </tr> <tr> <td style="padding: 5px;">2015-2017</td> <td style="padding: 5px;"> ACOME (FR - Mortain) cables, <i>Tubing, Wiring and Optical fiber</i> Digital transformation expert Assistance to industrialists to develop their strategy to upgrade their industrial computing applications </td> </tr> </table>	2017-2020	AGHAREN / Cabinet Tanous (FR) <i>Process modelling and control for AI ready industrial systems</i> Ontology and interoperability research Formalization of a morphogenetic approach to operations and business process management that allows multilevel/deep neuronal data drill down and seamless interoperability Software design specification Process modeler, interoperability protocol, process router	2005-2020	Y School (business school), UTT Technology University of Troyes, (FR) <i>Higher Education</i> Lecturer MSPTI "Specialized Master <i>Manager of Industrial Performance and Transformation</i> " SY20 "Industrial Intelligence" <ul style="list-style-type: none"> - Intelligence and performance of industrial systems - Digital transformation of industrial systems 	2019	Diagoris/Electrolux (FR) Digital transformation diagnostic Problematic Manufacturing IT migration	2018	Diagoris/Gravotec Digital transformation diagnostic ERP migration options assessment	2017-2018	ENGI Cofely (FR) <i>Energy production and distribution systems</i> Digital transformation expert Industry 4.0, SCADA, control and digital transformation expertise	2015-2017	ACOME (FR - Mortain) cables, <i>Tubing, Wiring and Optical fiber</i> Digital transformation expert Assistance to industrialists to develop their strategy to upgrade their industrial computing applications
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	<p>2014 AREVA (IN - Dhursar) <i>125 MW CSP Solar Power Plant</i></p> <p>Process control Lead Management of a multinational team (process experts, mechanical engineers, testing engineers, simulation experts, instrumentation engineers, software coders) from US, India and France for achieving optimal control of the facility</p> <p>Process control and management expert Testing and adjustment of facilities, guidelines for control strategies, recommendation for engineering and operation.</p>
	<p>2013-2020 SEE (FR - Paris) <i>Scientific Society for electricity, electronics, information and communication</i></p> <p>Web Developer and Webmaster Development of website, application support, management and maintenance of Linux servers. The site deals with the collaboration of the various committees, clubs and groups (workspaces, web conferences, various publications), managing scientific documentation (OAI-PMH), publishing magazines, event sites, Commercial management of accessions, document access and other tangible and virtual products.</p>
	<p>2013 ENGIE (FR - Paris) <i>Water and sanitation</i></p> <p>Project manager and finances expert Industrial IT master plan</p> <p>Animation of an experts' team to develop the different aspects of the master plan: operational processes, security, technical architecture, organization, transformation plan / process, economic aspects</p> <p>Contribution to the master plan on methodology and finances matters</p> <p>Development of a collaboration portal to support of the master plan methodology.</p>
	<p>2012 ARC Advisory group (US) <i>Industry advisory services</i></p> <p>IT expert Analyst Practices in Industrial Management "Study of Practices in ERP / MES Integration" Best Practices for Setting the Boundary Between Business Planning and Operations Management Applications</p> <p>Methodology of the study, survey of industrialists, drafting of the document for an ARC analyst.</p>
	<p>2011-2012 The Gouessant (FR - Lamballe) <i>Farm animals nutrition</i></p> <p>ISA-88 / ASTRID Expert Animation of a group of system integrators and industrialists to develop an automation design approach that allows real-time interoperability of applications from different sources while protecting know-how and allowing conceptual innovations.</p> <p>Development of the collaboration portal for sharing automation objects and documentation.</p>
	<p>2011-2014 INSA (FR - Lyon) <i>Academics</i></p> <p>Expert in industrial systems modelling Assistance to PhD students for the validation of an MES reference model against SCOR, ISA-95 / IEC62264 standards.</p> <p>Definition of a methodology for the definition of semantic rules allowing to appreciate the alignment of different models of the same system as well as the coherence between different facets of the same meta-model.</p>
	<p>2010 IDBS / L'Oréal (FR – Asnières / UK) <i>Cosmetics</i></p> <p>Program manager Definition and implementation of the deployment process and support of Electronic lab book applications at L'Oréal R & D.</p> <p>Performance management and supervision of activities.</p>

2010	TEFAL (FR - Rumilly) <i>Culinary articles</i> MES expert MES project setup Criterion and method of choice of the solution, definition of the demonstrator, identification of suppliers
2009	GRT Gaz (FR - Levallois) <i>Natural gas main France distribution network</i> Industrial IT expert Large SCADA/MES operations management project Feasibility study of the information management system. The study addresses requirements for the operator, supporting or complementary aspects such as interoperability and reference data management, available technologies, and specialized solutions.
2009	LFB (FR - The Ulys) <i>Fractionation of blood plasma proteins</i> ISA-95 / B2MML expert Coaching on interoperability best practices Identification and specification of messages between applications based on ISA-95 concepts.
2009	Firmenich (CH - La Plaine) <i>Aromas</i> Industrial Data Management expert Assistance in setting up a flexible and scalable IT infrastructure allowing the exchange of key process data between two plants in the group and their processing by the central R & D.
2008	UCB (BE - Braine l'Alleud) <i>Biopharmaceuticals</i> ISA-95 / B2MML expert Specification of ERP / plant messaging Identification of production processes and transactions (stocks, production order, item and equipment reference data), between the central SAP system and the factories, specification of messages, writing of FRS.
2006	UCB (BE - Braine l'Alleud) <i>Biopharmaceuticals</i> Digital transformation expert Definition of the rules of modeling of the industrial system Documentation templates
2006	L'Oréal (FR - Aulnay) <i>Cosmetics</i> ISA-88 Expert Definition of the functional and technical architecture for the management of the operating modes, from the definition of R & D formulation to the animation of the physical installation.
2005	Roquette (FR - Lestrem) <i>Agrochemicals - Starches and derivatives</i> Digital transformation / MES expert Framing and orientation of MES developments on the organizational, conceptual, targeting and technical architecture aspects. Promote and design a continuous delivery alternative against the initial big-bang approach.
2004	Papeterie du Souche (FR - Anould) <i>Paper mill</i> MES expert Development of the specification methodology Initial specification of MES functional requirements

2003	Nestlé (CH - Vevey) <i>Multinational food industry</i> ISA-95 / B2MML expert Specification of SAP interface with 500+ plants Identification of processes and transactions logistics, production, quality between the central SAP system and the factories, specification of messages, generation of XML customization schemes, writing of integration documentation.
2003	Michelin (FR - Clermont-Ferrand) <i>Pneumatics</i> ISA-95 expert Functional requirements and interoperability methodology for the digital transformation of the industrial system
2003	UNICOPA (FR - Languedic) <i>Farm animals nutrition</i> Automation / MES expert Definition of a methodology, coaching of internal teams to specify a flexible automation/MES integrated architecture.
2002	CETIM (FR - Senlis) <i>Technical centre for mechanical Industries</i> ISA-88 / IEC61512 expert Animation of an industrial group to evaluate the impact of ISA-88 standard on control-command engineering practices. Writing of the studies "Implications of the S88 standard for the design of control systems for process lines" and "Guide for the appropriation of the NF EN 61512 standard"
2001	CIPF (FR - St Julien) <i>Pharmaceutical fermentation pilot unit</i> Automation / MES expert Development of a functional specification guide for flexible automation Assistance to the manufacturer for the specification.
2001	Alcatel (FR - Bezons) <i>Optical fibre</i> Process control expert Improvement and optimization of the fiber drawing control strategy
2000	Rhodia (UK - Holmes Chapel) <i>Flexible manufacturing of pharmaceutical active ingredients</i> ISA-88 expert Management of the functional specifications Teaching and support ASTRID / DeltaNodes I ISA-88 methodologies and standard.
1998	BELLIER (FR - Calais) <i>Lace stain</i> Consultant manager Integration and parameterization of an ORTEMS scheduling application
1998	BECKER (FR - Montbrison) <i>Paints</i> Consultant manager Integration and parameterization of an ORTEMS scheduling application
1998	Cray Valley (FR - Drocourt) <i>Polymer resins</i> Consultant manager Integration and parameterization of an ORTEMS scheduling application
1997	RADIALL (FR - Voreppe) <i>Electrical/Electronic connectors</i>

	<p>Expert MES</p> <p>Production tracking and monitoring specification Design of MES application MOVEX/AS400 - MES interface</p>
1992 – 1996	<p>MAIA (FR)</p> <p><i>Control system and MES integration and development</i></p> <p>Company founder and president</p>
	<p>MES application</p> <p>Design and development of a pre-MES application including connection to control systems, workflow engine, operational data historian.</p>
	<p>Automation CAD application</p> <p>Design and agile development of a graphical and modular application for automation design (AutoLIPS development on AutoCAD)</p>
	<p>SIG / MAP direction and ad application</p> <p>Design et development of an application that composes and sends by fax a 3 scales location and access maps with advertising stickers by submitting an physical address on a Minitel terminal (AutoLISP development on AutoCAD)</p>
1995	<p>LINPAC (FR - Pontivy)</p> <p><i>Plastic films</i></p> <p>Process control expert</p> <p>Optimization of extrusion control, 80% reduction in energy consumption</p>
1994	<p>UCLAB Landerneau</p> <p><i>Dairy, butter</i></p> <p>Control system integration engineer</p> <p>Design, coding, testing and commissioning</p>
1993	<p>Air Liquide (FR - Vitry / Seine)</p> <p><i>Gas separation</i></p> <p>Control system integration engineer</p> <p>Automation Design, coding, testing and commissioning of O2/N2 pressure adsorption gas production units (PSA / VSA)</p>
1987	<p>ISOROY (FR-st Pierre on Dives)</p> <p><i>Manufacture of wood-based panels</i></p> <p>Control system integration engineer</p> <p>Automation of a chip drying furnace Design, coding, testing and commissioning DCS</p>
1984	<p>TNPL (IN)</p> <p><i>Paper mill</i></p> <p>Control design and commissioning engineer</p> <p>Design and commissioning of electricity, instrumentation, automation and control of a steam generation plant (3 mixed fuel / marrow of bagasse / coal / lignite boilers) Development of control strategies for fluidized bed hearths : optimization of dynamic performance, automation of warm starts</p>
1980	<p>SAMIR Mohamedia (MA)</p> <p><i>Oil refinery</i></p> <p>Instrument and control engineer</p> <p>Design and commissioning of automation and control for a steam generation plant with 3 fuel / gas boilers Optimization of efficiency and fast load variations</p>
1979	<p>SHELL (FR -Petit-Couronne)</p> <p><i>Oil refinery</i></p> <p>Instrument and control engineer</p> <p>Maintenance of instrumentation and control</p>

	<p>1978 COGEMA (FR - La Hague) <i>Nuclear waste treatment</i> Instrument and control engineer Design and commissioning of a liquid effluents treatment and discharge unit</p>
	<p>1977 ROQUETTE (FR - Beinheim) <i>Production of starch, glucose and dextrose</i> Maintenance deputy manager Commissioning of a new industrial site Setting up the maintenance service</p>
	<p>1977 SHELL (FR - Berre) <i>Steam cracking plant</i> Instrumentation engineer Construction of a new site Preparation and coordination of instrument mounting</p>
	<p>1976 TAAF (FR - Crozet) <i>Permanent mission on La Possession Island</i> Military service Operation and maintenance of the power station and distribution.</p>
Education	<p>1975 Lycée Jules Haag (FR- Besançon) Industrial control engineering degree</p>
Interests	<p>Finances, macro-economic, geo-politics (Enough for Everyone, Peace on Earth) Music (Bach first) Animals (wild, farm, pets)</p>
Languages	<p>English Oral & written French Mother tongue</p>
IT Skills	<p>MS Office, web development, LISP, PHP, XML, Drupal Latest hypes: IoT, Big Data, Blockchain, Virtual clones, Mobility, AI, RPA, IPA...</p>
Professional organizations	<p> The International Society of Automation (since 1995) www.isa.org District 12 Vice President (2003-2004) Executive Board (2004) ISA88 member (since 1997) www.isa.org/isa88 "Batch Control" ISA95 member (since 1997) www.isa.org/isa95 "Enterprise-Control Integration" ISA France President (2000-2002) www.isa-france.org www.standards-isa.fr ISA France Vice president, membership and education chair (since 2003)</p> <hr/> <p> International Electrotechnical Commission (since 2006) www.iec.ch Invited expert in ISO/IEC JWG5 (ISO/IEC 62264 - ANSI/ISA-95) and IEC SC65A WG11/MT61512 (IEC 61512 - ANSI/ISA-88)</p> <hr/> <p>  World Batch Forum (1997 - 2011) > MESA Member of XML committee developing B2MML/BatchML XML schemas Manufacturing Enterprise Solutions Association (since 2016) www.mesa.org Member of XML (B2MML) and performance related WGs</p> <hr/> <p> Association Française d'Ingénierie Système AFIS Association Française d'Ingénierie Système www.afis.fr INCOSE International Council on Systems Engineering</p>



www.afis.fr www.incose.org



ISSS International Society for the Systems Sciences
www.isss.org



Société de l'Electricité, de l'Electronique et des Technologies de l'Information et de la Communication (since 1999)

www.see.asso.fr

Club ISIC « Ingénierie des systèmes d'information et de communication "

Webmaster and web site developer



ifip

InterOP - VLab

International Federation for Information Processing (since 2010)
www.ifip-ei.org

TC5 - Information Technology Applications

Work Group 5.8 Enterprise Interoperability

The European Virtual laboratory for enterprise interoperability

<http://www.interop-vlab.eu/>

Interop-VLab



Complex Systems Digital Campus (since 2016) <http://cs-dc.org/>

E-Laboratory on the Factory of the Future

https://en.wikiversity.org/wiki/Portal:Complex_Systems_Digital_Campus/E-Laboratory_on_the_Factory_of_the_Future



(since 2000) www.clubautomation.org

Administrator



Forum Batch Francophone (1999-2005) fbf.isa-france.org

Founder and moderator