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## Consultant - Nuclear Power Plants Chemistry

### Areas of Expertise

- Consulting in the area of Chemistry and Corrosion for Nuclear Power Plants related to **Operation, Safety, Environment, Organization, Design and Maintenance**
- **Marketing** and sales assistance in chemistry domain for Nuclear Energy in France and several countries
- **Steam Generator** Design and Behavior
- **Chemistry Specifications and Guidelines** on operation, design and safety
- Consultancy on tests and engineering **programs**
- **Specific Training courses and presentations** in the area of Chemistry and Corrosion, Design, Operation, Safety
- Preparation of synthesis **documents** and connected presentations
- **Meeting chair and meeting reports**
- Organizational advice for **conferences** and **international business**

### Professional Experience

<b>Since 2007</b>	<p><b>Consultant (as an independent consultant or through Acentis Conseil) for</b></p> <ul style="list-style-type: none"> <li>- <b>Several US, German, British, Hungarian, Korean, Belgian, and French companies</b></li> <li>- <b>Expert at ANT International (Sweden) for many countries since 2009</b></li> <li>- <b>Expert within USA for a large Chinese Company (at corporate level) since 2012</b></li> </ul>
<b>Électricité de France 1983- 2007</b>	<p style="text-align: center;"><b>CEIDRE- Saint-Denis, France. 2005-2007</b></p> <ul style="list-style-type: none"> <li>• Expert in chemistry and corrosion in charge of strategy and international relations</li> <li>• Corresponding member within EPRI (USA) on steam generator issues</li> <li>• Responsible for technical support in China, South Africa, Russia and other countries</li> </ul> <p style="text-align: center;"><b>Central Laboratories. 1983-2005</b></p> <ul style="list-style-type: none"> <li>• Expert at the Technical Direction for chemistry and corrosion</li> <li>• Technical support for the 58 PWR Units of the EDF fleet</li> <li>• Responsible for International Projects in technical support and R&amp;D projects</li> <li>• Manager of the Engineering Group in charge of chemistry and corrosion studies</li> <li>• Preparation of the first set of Chemistry Specifications</li> <li>• Technical responsible for chemistry support to Fast Breeder Reactors</li> </ul>
<b>Framatome now AREVA 1974 - 1982</b>	<p style="text-align: center;"><b>Chemical Engineer – Paris La Defense, France</b></p> <ul style="list-style-type: none"> <li>• Responsible for the manufacturer Chemistry Specifications</li> <li>• Project Manager for International Projects USA-France in chemistry and corrosion including loop test, and R&amp;D part</li> </ul>
<b>CEA 1970- 1974</b>	<p style="text-align: center;"><b>French Atomic Energy Commission, Saclay, France</b></p> <ul style="list-style-type: none"> <li>• Activation Analysis and chemical separation, isotopic analysis</li> </ul>

<b>Experiences – Additional activities</b>	
<b>IAEA</b> <b>1987 - 2013</b>	<p><b>International Atomic Energy Agency, Vienna</b></p> <ul style="list-style-type: none"> <li>• Chemical Expert during pre-OSART, OSART and Post OSART</li> <li>• Expert, presentation of documents and chairman during workshops, R&amp;D Projects, Contribution to reference documents</li> </ul>
<b>1980 - 2013</b>	<p><b>Teaching – Preparation of Reference Documents</b></p> <ul style="list-style-type: none"> <li>• INSTN (National Institute of Sciences and Nuclear Techniques): ≈ 50 courses</li> <li>• IAEA: 3 Workshops sessions with Teaching to foreign Utilities</li> <li>• ASPEA, Swiss Organization: 1 workshop</li> <li>• Several contributions in Reference Technical Documentation, PowerPlant Chemistry Journal, French Nuclear Journal (Revue Générale Nucléaire), etc.</li> <li>• ANT (Advanced Nuclear Technology) International</li> </ul>
<b>1977 - 2007</b>	<p><b>Corresponding Member and International Project Manager</b></p> <ul style="list-style-type: none"> <li>• 1978 – 1991: 12 Projects (Westinghouse, CEA, EDF, Framatome)</li> <li>• 1986- 2007: EDF Corresponding member for Steam Generator Management Program with EPRI (Electric Power Research Institute), USA</li> <li>• 1994 – 2000: Project Manager for Chemistry Center in Moscow - Rosenergoatom</li> <li>• 1996 - 2007: Launching of EDF Chemistry technical support to China (Daya Bay) and South Africa (Koeberg) and technical exchanges with 10 countries</li> </ul>
<b>2000 - 2012</b>	<p><b>International Conferences</b></p> <ul style="list-style-type: none"> <li>• 2002: Chairman of Organization Committee for the International Conference on « Water Chemistry in Nuclear Reactor Systems ». 305 attendees from 32 countries, 160 papers. Popes Palace, Avignon, France. 22-26 April 2002.</li> <li>• French corresponding member, chairman and keynote author at several International Conferences, Member of Organizing Committee for International Conferences on Water Chemistry, NPC2008, Berlin, NPC2010 Quebec, NPC2012 Paris</li> </ul>

<b>Education</b>	
<b>1973</b>	<p><b>Ph D in Nuclear Chemistry.</b></p> <ul style="list-style-type: none"> <li>• Contribution to the study of quantification of traces of light elements in alkali metals by gamma photon activation and charged particles.</li> </ul>
<b>1970</b>	<p><b>Master's Degree in Chemical Engineering/Chemistry from Mulhouse National Superior School of Chemistry, France</b></p>

<b>Languages – International</b>	
<ul style="list-style-type: none"> <li>• <b>English:</b> Fluently read, spoken and written</li> <li>• <b>Italian, German, Russian:</b> Basic knowledge</li> <li>❖ <b>Extensive Business experience in foreign countries: ~ 100 trips in the USA</b> + 20 in Asia (China, Japan, Korea, India), + 20 in Eastern Europe (Russia, Ukraine, etc.) + 100 in Western Europe (many countries) + 3 in South Africa,</li> </ul>	

<b>Published documents</b>	
<ul style="list-style-type: none"> <li>• <b>1 Patent + 1 Book of 350 pages with a co-author + Contributions to about 10 books</b></li> <li>• <b>Contributions to about 20 journals + 40 published papers + Many documents for workshops</b></li> </ul>	