

Contact

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Top Skills

UMTS

Wireless

R&D

Publications

Benchmarking Internet of Things deployments in Smart Cities,

Internet of Things Strategic Research and Innovation Agenda,

Large Scale IoT Security Testing, Benchmarking and Certification,

On-line Measuring Sensors for Smart Water Network Monitoring

White Paper on flexible approach for semantic validation in the context of Internet of Things

Philippe Cousin

CEO and founder at SENSEEN

Nice

Summary

35 years of rich and diverse professional experience in ICT including many years in R&D, at top management level of private companies and few years with a broad insight into Information Communication Technology (ICT) at the European policy-making level (e.g. European Commission, EOTC)

Over more than 20 years, key expert in Standardisation, Testing & Interoperability, Certification, Label, Conformity Assessment matters, all important topics to provide confidence in technologies, products and services. Now focussing on product development for verticals thanks to the company IoT engineering services

Became ICT Research and Innovation Specialist. Involved in +35 research projects since 2001 (EU FP, H2020) with management of few ones. Support R&D by broad interoperability and validation expertise.

International appointed expert for EU and International programmes and have been involved in + 30 international studies worldwide (e.g team leader ICT research policies for Tunisian Government, twining programme in Jordan, business coaching in Ukraine and Russia, trainings in accreditation and conformity assessment for ASEAN-Philippines, China..)

Involved in China since 1997 (eg. set up top world class labs for government, coordination EU-China groups, etc)

Experience

SENSEEN

CEO and founder

May 2020 - Present (1 year 6 months)

Sophia Antipolis

Scanners to sense the planet

Miniaturised spectrometers and Artificial Intelligence to make the light talking

Strong involvement to support Agroecology

Easy Global Market

CEO and founder

July 2010 - Present (11 years 4 months)

Sophia Antipolis

President of the company defining the strategies. Company specialised in IoT engineering building advanced IoT and DSS platform based on EU FIWARE from our open source data broker Stellio (www.stellio.io)

Recently working in few verticals Water, Aquaculture, Smart cities and territories with few key products and services that lead to several success stories for the customers.

Design and Management of EU research projects. involved in +30 EU projects

Large international experience with +20 years working with china, africa, med , Brazil , Russia...

ETSI

9 years 2 months

Sales Director

May 2007 - July 2010 (3 years 3 months)

Sophia Antipolis

in charge of all ETSI sales of Standards Enabling Services which includes Forapolis (www.forapolis.com) and testing type of consulting services

Ensuring coordination of ETSI involvement in EU FP7 R&D project

Managing few FPx projects

Active International involvement : Russia, China, Mediterranean countries, World wide Industrial fora...

Interoperability Service Manager

June 2001 - May 2007 (6 years)

Sophia Antipolis

Management of the ETSI interoperability Services(2001-2007)

- Create and developed the ETSI Interoperability service with organisations of +70 interoperability events

- Support of the standardisation work programme including support to the development of new areas
- Active involvement in a broad range of new technologies (e.g. RLAN, Powerline, Electronic Signature, ..) including contacts at high level within companies and/or worldwide organisations and fora
- Support to Industrial groups such as Fora in Certification schemes
- Active support to the development of EU-funded R&D projects

CETECOM

Managing Director

February 1997 - June 2001 (4 years 5 months)

Paris -Orsay

- Responsibility of the profit centre (Management, finance, staff, legal issues, etc.)
- Co-ordination of the operational units (testing laboratories for GSM, Wired, Smart Card laboratories, EMC, LVD)
- Strategic development of the company: Business development and consolidation of existing businesses
- Liaisons with the European Commission and International organisations
- International consulting (China, Morocco, Eastern countries ..):
- Set up turn key projects in many countries (ANRT in Morocco (Radio laboratory) , StPetresbourg (LONIIS) Moscow, Ukraine (UNDIZ) . Specialist in Standardisation and Conformity Assessment
- Member of the Board of the French Accreditation Body (COFRAC)

EOTC (European Organisation for Conformity Assessment)

International Projects Manager

July 1995 - February 1997 (1 year 8 months)

- Project Manager of European-wide projects in the field of Testing and Certification :
- Acting as European Commission Project Officer in the context of the EC outsourcing of the management of the CTS (Conformance Testing Services) programme. Responsible for 6 large projects
- EOTC Expert in standardisation, T&C matters in the field of IT&T, EC mechanisms, Methodologies.
- EOTC representative to ETSI (General Assembly, Appropriate working parties, etc.)

European Commission

European Project Officer

July 1992 - July 1995 (3 years 1 month)

Brussels, Belgium

- EC Project Officer within the Conformance Testing Services (CTS) programme. In charge of European projects aiming at the setting up of a minimum of two laboratories in two countries for emerging ICT products based on new European standards (i.e. GSM, DECT, ..)
- Within the responsibility of the EC unit, follow up horizontal matters related to Free circulation of goods, CE Marking and Certification such as on Mutual Recognition Agreement MRA, etc
- EC Expert in Telecommunications Standardisation, Testing and Certification in the context of the policies followed up by the EC units..

France Telecom R&D

10 years 1 month

Research engineer

July 1991 - July 1992 (1 year 1 month)

Lannion , France

- Theoretical studies on system validation, hardware independent
- Expert in international standardisation : ITU-T COM XI and ETSI STC SPS5
- Representative in EC projects (DG XIII CTS ISDN BA, CTS ISDN SS projects)

Head of laboratory

July 1990 - July 1991 (1 year 1 month)

Pointe à Pitre

- Study of the establishment of a laboratory on Tropical effect in the EC STAR sponsored context.
- Definition of the studies work plan
- Carry out pre-feasibility studies (see corresponding published paper)

Note: Activity abandoned following high level political decisions.

Research Engineer and International Standardisation Expert

January 1987 - July 1990 (3 years 7 months)

Lannion, France

Studies on validation of Telecommunication terminals (ISDN, Analogue, ISDN PABX)

- Protocol validation expert (ISDN Layers 2&3). National and International expert in the context of the national approval centre also acting as international/national assistance centre.
- Software development of the necessary tools (e.g. Forth language on Siemens platform , etc.)

- Occasional Teacher on ISDN protocols for French engineer Schools (INT, ENST)
- Expert in international standardisation : ITU-T COM XI and ETSI STC SPS5
- Representative in EC project (DG XIII CTS ISDN BA)

ETSI projects team leader

February 1990 - June 1990 (5 months)

Sophia Antipolis

- Team leader of four international engineers at ETSI premises
- Development of ETSI Standards on ISDN tests
- Liaison to the ETSI Secretariat and the relevant Technical Committees

Head of engineering transmission unit

January 1985 - January 1987 (2 years 1 month)

Fort de France

Responsible of the Transmission Engineering unit

Definition and management together with the Transmission Centre of the transmission network for the whole island in a context of a full use of digital transmission techniques (cable, hertzian and satellite)

Assistant research engineer

July 1982 - July 1985 (3 years 1 month)

- Mathematical study on cable modelisation.
- Studies on local network digitalization
- Software development of a network digitalisation simulation (Internal France Telecom Award for innovative software 1985)
- Hardware development of a measuring tools. Deposit of patent
- Extensive measuring and verification campaigns with sophisticated equipment in real field
- work with Sofrecom on contract with TELECOM SINGAPORE in 1984.

Philippe Cousin, founding president of Easy Global Market (www.egm.io) has accumulated over 39 years of experience in research within Orange R&D and through his involvement in more than 35 European research projects since 2001. He is the 'author of + 40 research papers (see <https://orcid.org/0000-0003-3686-1673>).

He had important responsibilities in European organizations as a project officer of the European Commission for 5 years and 9 years within ETSI, the European telecommunications standardization body. After spending several years at the helm of a company, a certification laboratory, he developed these entrepreneurial capacities with the creation of Easy Global Market (EGM) in 2010.

After a strong specialization in research in the field of systems validation, his research activities in recent years by setting up and participating in more than 25 European FP7 and H2020 research projects have led him to focus on research Internet of things generically first but for more than 2 years in vertical fields such as water, aquaculture and recently agriculture.

In May 2020 he decided to create the start-up SENSEEN (www.senseen.io) to devote himself to the development of "scanners for the planet". Today he is working with the largest EU network on Agroecology with french ecosystem of 15000 farms on agroecology and agroforestry. He is member of CNA the French center of Agroecology and working actually in many agroecology fields (cereal, vineyards, rice, vegetable and fruits) with advance scanner to measure oxidoreduction potential key parameters to drive agroecology.

Philippe Cousin has for more than 20 years a very large network of partners in the fields of applications and research which he uses and takes advantage of to carry out his business projects.