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Space Communication Systems Senior Consultant (*Huntaskill*)

Summary:

Leading roles in space systems ground segments for Earth Observation, Man in Space and Navigation, including:

- Ø Forward looking feasibility analysis;
- Ø User Requirements Analysis and System Development Specifications;
- Ø Detailed Definition analysis and subsystem specifications;
- Ø Proposal Analysis and Evaluation Board participation or chairing;
- Ø Project Management for implementation and operations

Experience:

Huntaskill Associated Ltd, UK

April 2007
to date Technical Advisor for the Radio Maritime and Aeronautical Stations
manufactured by ERSET Belgium.

August 2006
to April. 2007 Galileo Performance Indicators study for the European Union GNSS
supervision Authority (ex Galileo Joint Undertaking).

March 2006 to June
2006 Analysis of business opportunities in the frame of the Galileo Concession
for SES ASTRA

Dec 2005 to June
2006 Involvement in the process of the Huntaskill Associated Ltd establishment
in Brussels.

Nov 2005 to Feb 2006 Support to INS and EMC² in Luxembourg for the preparation of their
offer(s) in the frame of Galileo IOV at level N-3

TRASYS, Belgium

Oct. 2004 to Sept
2006

Communication Systems Senior Consultant

- Participation to ESA contract for Fine Grain Network Traffic Monitoring tool, as subcontractor to Ubizen AETHIS.
- Galileo: Preparation of the responses to the ITT's for the MDDN, SDDN and GDDN in the frame of the IOV.

Alcatel Bell Space, Belgium

2000 - 2004

Galileo Communications System Senior Consultant

- Galileo Phase C0 activity (System, GMS and GCS communications)
- Galileo pre-development activity Study on Protocol and Security Management, and Rider for Network Preliminary Performance Testing.
- Galileosat Phase B2 studies.
- GalileoSat Phase B1 ground segment studies (trade-off on-board telecom payload, networks, security, ULS, etc.)

1997 - 1999

Space Systems Senior Consultant

- EUMETSAT Polar System communications system design.
- International Space Station communications implementation study.
- SRIV Project Manager for SPOT Vegetation.
- CTIV/SUV for SPOT VEGETATION: communications detailed definition and implementation.
- SDLS study for ALENIA / ESA.
- Datacom study for Earth Observation (ASPI / ESA).

1995 - 1997:

Space Gateways and Networks Programme Manager

- ENVISAT phase C0 and early C/D
- EUMETSAT Polar System communication services analysis
- User Data System (UDS), earth observation data gateway,
- Risk Management study
- WEU Main System Feasibility study...

1990 - 1995:

Flight Control Centre Programme Manager

Responsible for the following projects:

- In-Orbit Infrastructure (IOI), MSCC, HFCC, APMCC, Space Data Network, Envisat phase B
- leader of Alcatel's proposal to ESA & CNES for ROMULUS

1987 – 1988: Study Manager & Head of Communication Infrastructures Group

HERMES Communication System Architecture (subcontract to ANT)

DRS Study Phase A1 MATRA Prime Contractor

“E”DRS Communications for COLUMBUS (direct Contract with ESA)

European Space Agency staff member

1986 – 1987: ESOC

Communication Engineer in charge of COLUMBUS and HERMES within the Engineering Department of the Agency.

1983 – 1985: ESTEC

Ground Segment Engineer of the ERS1 Project during Phase B and early C/D.

1980 – 1982 ESRIN

Landsat Operation Manager for the Stations of Fucino and Kiruna. Management of Development Contracts for the upgrade of the stations for Landsat 4 and 5.

Centre National d’Etudes Spatiales staff member

- 1970 – 1979:
- Head of the Electronic Section of the Stratospheric Balloon Launch Centre, until 1972.
 - Ground Segment Engineer in the GEOLE Project (1m localisation accuracy all over the world), until 1975.
 - SYMPHONIE Ground Stations developments and experiments within the Utilisation Group, from 1975 to 1979.
 - .First European Educational Television Experiment by satellite (in Africa). (including Symposium organization)
 - .First World intercontinental data link between computers (IBM research centres in USA, France and Germany).
 - .First Domestic Telephony link by satellite (Cairo-Aswan), made by European Industry.
 - .First World emergency installation (UNO link NewYork, Jerusalem).
- 1969 – 1970:
French Petroleum
Institute:
- Project Leader for the automation of the Analytical Physics Laboratory and Motor Test Bench.
- 1967 – 1969:
MERLIN GERIN:
- Technical and Commercial engineer for automations in the Low Voltage Equipment Department.

Education

Licence certificates in General Mathematics and Mathematics applied to Physics, Paris 1963

Engineer of Ecole Supérieur d'Electricité (Paris), 1964

Engineer of Ecole Nationale Supérieure du Pétrole (Paris), 1965

Former Member of "la Société Française des Electriciens et Electroniciens, 1972-1975

Courses attended

- Satellite Telecommunications (Ecole Nationale Supérieure des Télécom, Paris) 1972
- Marketing HEC Paris 1974
- Marketing International HEC Paris 1974
- Satellite Telecommunications (Pritchard) 1980
- Image Processing, George Washington University, Berlin 1981

Communications

- First African Satellite Communication Symposium (1978) programme committee and 2 lectures.
- Communication on Landsat RBV Journal of Geophysics, 1982
- 1st satellite operation symposium Darmstadt 1991
- Earth Observation and environment, Munich 1992
- Network Management and Space applications, Darmstadt 1992

Knowledge of specific technique / technologies

Mathematics and Physics Teacher in Morocco in the frame of the French Ministry of Cooperation (France National Service)

Inventor of a US registered patent (1998) and European patent (2002) on Format Synchronisation methods.

Prime delegate CCSDS Associated Member for Alcatel Bell Space, since 1993