



INFO-ELECTRONICS SYSTEMS INC. **SYSTEMES INFO-ÉLECTRONIQUES INC.**

THE COMPANY AND THE TEAM

Incorporated in 1981, **Info-Electronics Systems Inc. (IES)** is a **consulting, integration and project management company**. Working in the field of computer-based technologies, IES develops **systems and application software in the field of meteorology, hydrology and environmental monitoring, communications, instrumentation, industrial automation and Process Control**.

IES set up a joint venture company IES India in 1995 and has a proven track record of success in North America, India and many other countries around the globe.

With Headquarters in Montreal, Canada, IES has offices in India (Pune & Delhi) and the USA (Houston).

IES prides itself in its:

- very strong experience in the domain of its activities
- relationship with its current and potential customers
- relationship with its partners from Canada and the U.S.A.
- ability to attract and retain highly skilled professionals, some of whom have been with the company since 1981.
- strong R&D program to develop new products and new applications for existing products.

A major contributor to IES' success is our experienced and motivated staff, the state of art technology we use and develop and our focus on Research & Development and Quality Assurance.

IES EXPERTISE

In the “technology domain”

Technology-based Software Development
Meteorology and Hydrology
Terrestrial and Satellite based communication
Process Control & Factory Automation
Instrumentation
Image Processing

In the “methodology & services domain”

We employ state-of-art techniques in :
Project Management
Independent Verification & Validation
Quality Assurance
Configuration Management
Training & Support

AREAS OF INTEREST

Environmental Technologies: Meteorology, Hydrology & Seismology
Data Collection Platforms for meteorology, hydrology & seismology
Air/Water/Soil Pollution Monitoring, Testing and Diagnostics
Communications (Land based & Satellite) & Instrumentation
Industrial Automation & Process Control
Multi-media training and simulation

1755 St-Regis, Suite N° 100
Dollard-des-Ormeaux (Montréal)
Quebec, Canada H9B 2M9

www.info-eletronics.com

Tel.: (514) 421-0767
Fax: (514) 421 0769
email: contact@info-electronics.com

IES EXPERTISE ...

ACTIVITIES

Develop Custom Software
Customise standard Off-the-shelf Packages
Provide Product Development Services
Project Management of Computer based Projects
Represent North American companies in the East through IES India

We develop turnkey systems. We also act as your purchasing agent and handle the technical aspects of such areas as contracting, monitoring, verification and validation.

We provide vital consultations and recommendations on various aspects of projects and perform **Requirements and Feasibility Studies**. We advise our customers on such matters as off-the-shelf hardware/software and application software. We do software development, user training and maintenance services. We offer SOFTWARE QUALITY ASSURANCE, TESTING METHODOLOGY, CONFIGURATION MANAGEMENT and IV & V services.

IES : YOUR INTERNATIONAL PARTNER

At IES we pride ourselves in our proven success in:

System development using software and hardware components developed in-house or from reputed North American Partners.
Providing services for installation, maintenance and training
Integrating software developed systems
Providing high technology customised software
Project Management and development for major clients like Canada Post Corp.
Marketing to Government Agencies in North America (Canada Post , Hydro Quebec) and overseas (IMD, CWC,SASE, in India)

We offer our partners 'strategic alliances' and act as your 'protocol converters' giving you the opportunity to do business with India and letting us handle the "intricacies and nuances" with dealing with Indian Government & Business Organisations.

Two recent Indian Government contracts IES was awarded are:

- a) US\$2.5 Million Indian Metrology Department contract for development of a Reception and Processing system for meteorology data collected by India's new satellite INSAT 2E. The project involves receiving and processing data collected by remote sensing cameras on INSAT 2E. The imagery developed will assist IMD in weather forecasting.
- b) US\$2.8Million Central Water Commission of India contract for the development and implementation of a Flood Monitoring and forecasting System for two major river basins in India.

Existing Projects of IES in India:

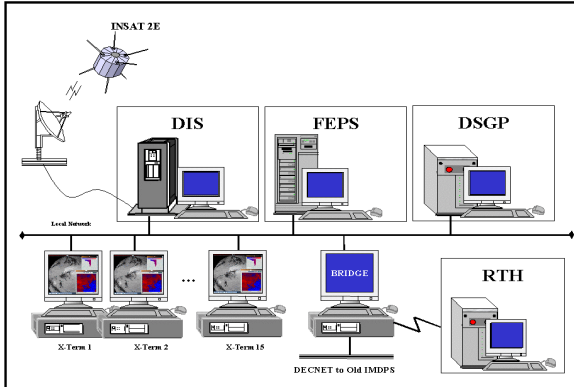
Telemetry and Flood Forecasting System as applicable to Hydrology-CWC, BBMB, State Irrigation Depts.
Automated Meteorological Workstations -IMD ,SASE
Meteorological Workstations for Image Processing-IMD, SASE, IITM, Indian Navy & Airforce
Ground Earth Receive Station-CWC, IMD, SASE , BBMB
Data Distribution over LAN/WAN-Mumbai & Calcutta International Airports

Current customers in:

India, Bahrain, U.K., Hong Kong, Korea, New Caledonia, Malta,, Morocco & Algeria

IES ACHIEVEMENTS

IES has proven itself in the field of its expertise with numerous accomplishments. We are responsible for the project management, component development, and technical design of some major projects, such as:



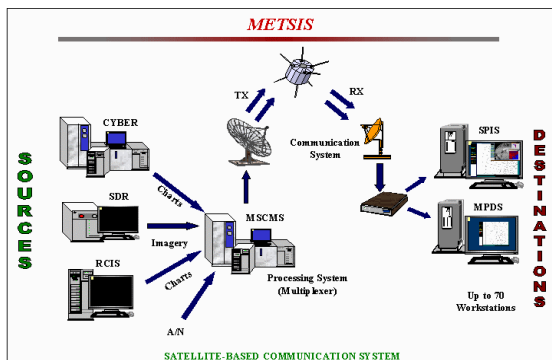
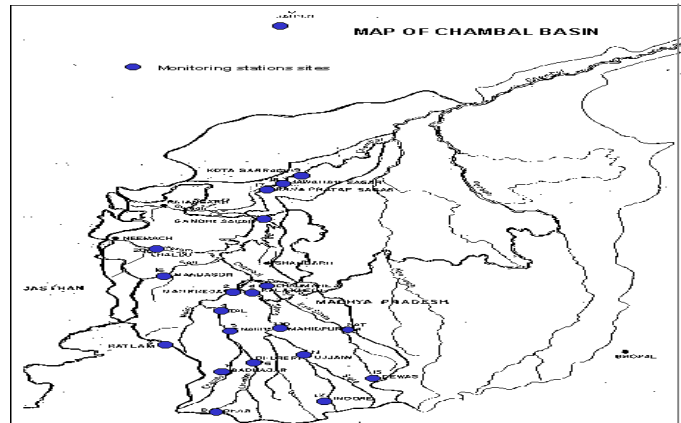
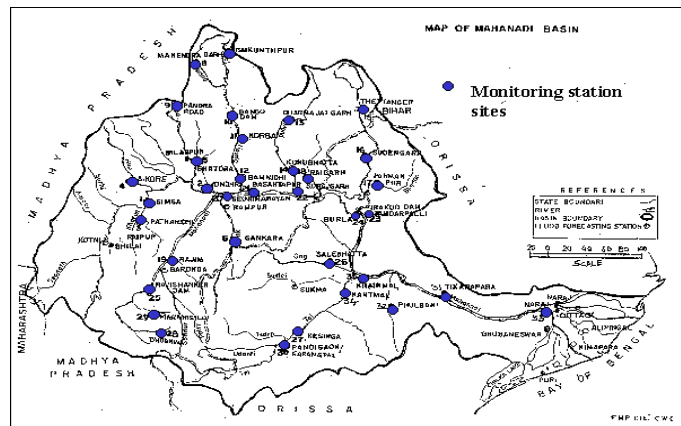
The INSAT-2E Meteorological Data Processing System (IMDPS)

Development of a system called IMDPS, to collect and process imagery data from India's INSAT-2E satellite. Imagery will be used by the India Meteorological Department for weather forecasting. The system includes Data Ingestion System (DIS), Front-End Processing System (FEPS), Database Server, Graphics Processing System (DSGP) and interface with the Regional Telecommunications Hub (RTH). All systems are duplicated to provide redundancy.

The Flood-Monitoring & Forecasting System

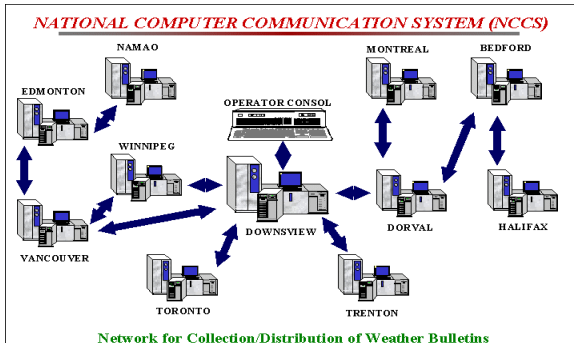
The Mahanadi and Chambal rivers in eastern and central India, respectively, often flood during the monsoon season. The Flood Monitoring and Forecasting System consists of the supply and installation of fifty-five Remote Monitoring stations, measuring hydro-meteorological parameters such as water level, rainfall, temperature, humidity, evaporation, etc. along the banks of these two rivers. Information from these stations is beamed to satellite. Two Satellite Reception Ground Stations have been installed in Jaipur and Burla for the reception of data and computer analysis.

This data will enable the Central Water Commission of India to warn people of possible floods, as well as providing valuable information to plan dams for agricultural irrigation. The project is implemented in cooperation with Sutron Corporation of the U.S.A.



METSIS: Meteorological Satellite Information System is a satellite-based communication network developed for Atmospheric Environment Service Canada. It is designed to distribute products having a large data volume such as Contour Weather Charts or Satellite Imagery. This system was later replaced with a VSAT-based high speed (up to T1 speed) system called SATNET.

IES ACHIEVEMENTS

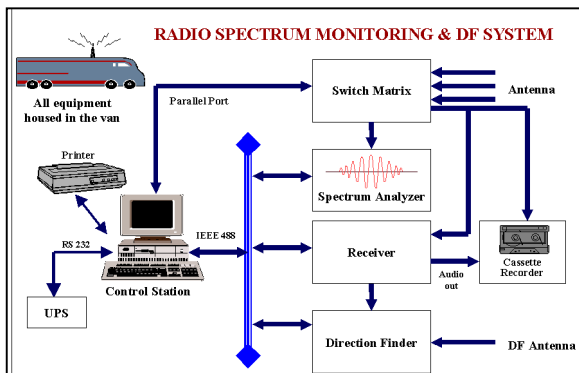
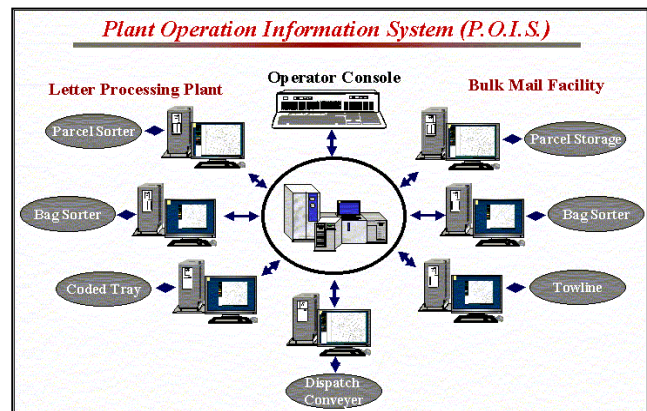


National Computer Communication System (NCCS)

NCCS was developed for Atmospheric Environment Service of Canada. The teletype technology was replaced by interactive data entry and retrieval capability for its users. IES was responsible for management of the project and development of some of its functions.

Two of the major projects implemented by IES in the industrial automation are Supervisory Level **Automation of an Aluminium Smelter** in Canada and a **Plant Operation Information System (POIS)** developed for Canada Post Corporation to provide the Major Postal Plant Managers with the tools needed for timely and effective decision making.

Among the functions included were time and attendance management, truck control, statistics, status alarm management, maintenance, and advanced mail.



Radio Spectrum Monitoring System (RSM)

Developed with LNS Systems of Montreal, RSM is a transportable computer-based system capable of monitoring radio frequencies between 2 MHz and 4 GHz and providing direction finding capability between 2 MHz and 1 GHz.

Two such systems are installed in Malaysia and China.

ULTIMA: New generation of IES products, it is the successor to HI-WIPS and is a modular and powerful SADIS/ISCS (WAFS) Reception and Processing System. It interfaces with satellite channels to receive and handle bulletins, charts (T4, BUFR), GRIB and imagery data.

It performs all the functionality required for a Weather Briefing Workstation. One can query meteorological database and, display and manipulated graphics products (charts & images).

