# IES COMPANY PROFILE

## About IES

Info-Electronics H.P. Systems Inc. (**IES**) is a Canadian engineering and systems integration company in the field of computer-based technologies. For 27 years, IES has gained considerable knowledge of state-of-the-art technologies and strong experience in the areas of real-time systems in remote sensing, meteorology and telemetry that also include telecommunication IT networks.

IES has successfully completed various complex projects, both in Canada and around the world. As IES' Quality Management System (QMS) is ISO 9001:2000 Certified, we have a well-defined System Development Methodology including Requirements Management methodology, which is diligently followed by our consultants on a daily basis.

Working in the field of computer-based technologies, as a systems engineering and integration company, IES has expertise in the following areas:

- Meteorology
- Hydrology
- Environmental Monitoring
- Communications (satellite, terrestrial)
- Instrumentation
- Customer Relationship Management (CRM)
- Quality Management (ISO Consulting)
- Process control and Industrial Automation

IES' expertise in meteorology comes from the development and implementation of a variety of multi-million dollar meteorological information processing and communications systems over the past 20 years for the Meteorological Service of Canada (**MSC**), one of the finest and best equipped meteorological services in the world. In cooperation with the Canadian Meteorological Center, IES also provides high-end and powerful Workstations based on HP or Silicon Graphics hardware.

We have also developed various systems for other international Meteorological Departments ranging from India to Bahrain in the Middle East.

Our supplies and services include provision of instruments (including AWS', Vertical Profilers, Wind Radars, Lightning Detection Systems, etc.), satellite data reception and processing systems, communications systems (terrestrial as well as satellite-based). To the best of our knowledge, IES is the only company in Canada providing end-to-end supplies and services in meteorology.

IES has highly skilled professionals with varied and rich experience in the development of applications in such areas as Information Technology, Meteorology, Remote Sensing, Geographic Information Systems and Communications. Moreover, IES has been involved in the development and execution of projects both at the national and international levels, dealing with private and public sector organizations.

Over the years and after many projects, IES has built an undisputable expertise in project management, integration of solutions and successful completion of mandates in

the field of Information Technology. IES furnishes complete and turnkey solutions and has developed a strong methodology for the Project Development Lifecycle

IES attributes its success to the dynamism of its management, its strong customer orientation, and the expertise of its resources.

Given the specific needs of each customer, IES has familiarized itself with the process of Change Management and the need to personalize each project to the client's requirements.

Starting from a basic solution, IES conceives, develops, and adjusts the system until it complies with all the specific needs of the customer. This process is completed in conjunction with the customer and IES provides them with the necessary training, supervision and technology transfer.

In addition to the development (including all the software) and implementation of various systems for our clients, IES has also been involved in providing assistance to various Government Departments. This assistance included: performing feasibility studies, doing Independent Verification and Validation, Program Planning, program reviews and report preparation.

IES has assisted several clients around the world in the development and implementation of customer-oriented projects. More specifically, IES is a partner with Siebel and Microsoft in the area of Customer Relationship Management (CRM). Each partner can use its resources and complimentary expertise to develop CRM solutions and increase its share of the market.

Over the past 20 years, IES was involved in the development of METSIS and NCCS, two networks for reception, processing, and display of meteorological products for the Atmospheric Environment Service of Canada. Over the past few years, IES has developed ULTIMA, a Weather Briefing Workstation for the reception, processing and display of meteorological products distributed from a variety of networks, such as ISCS and SADIS. ULTIMA has been installed in Canada (at NAV CANADA in Ottawa), Brunei, Venezuela, the US, Cuba, Brazil, Bahrain and Hong Kong, among other locations.

IES has also conducted several studies, including a feasibility study Feasibility Study for Telemetry, Tracking and Command (TT&C) for the Canadian Armed Forces, a feasibility study on the development of software for the automatic generation of ice bulletins for the Canadian Ice Services (CIS), as well as a study on the integration of ASAR ENVISAT data for Ice Monitoring and Forecasting for the CIS.

Moreover, IES has developed an INSAT Meteorological Data Processing System (**IMDPS**) for India Meteorology Department (**IMD**). This system receives data from the two instruments (VHRR – VIS, TIR & WV, and CCD – VIS, NIR & SWIR) of the INSAT-2E satellite and processes it to generate meteorological products and derived products such as Water Vapor Winds, Cloud Motion Vectors, Snow Cast, Vegetation Indices, Sea Surface Temperature, etc.

IES also has a company in India called Info-Electronics System India Pvt. Ltd. (**IESI**). IESI is a Canadian joint-venture company of Info-Electronics System Inc., Canada. IES is providing total solutions in the field of Hydrology, Meteorology and Communication over the last several years in and around India. Equipped with qualified Engineers in Electronics and software technologies, IES has executed various National projects for the Government of India in the past.

IES has provided more than 130 AWS' in India and performed complete installation, acceptance testing, training and warranty and post-warranty maintenance.

IES has also replaced all GVAR systems of MSC with those from Global Imaging. IES was involved in providing the Proposal to the customer and acted as a prime contractor. IES handled any customization, all shipping logistics, system installation, acceptance testing, training, support, and post-warranty support.

IES offers the following advantages:

- Strong experience in the field of Information Technology and Applications.

- QMS is ISO 9001:2000 Certified.

- Valuable company resources capable of meeting the challenges in analyzing requirements, developing software, executing projects, and managing human resources.

- Excellent client management skills for collecting requirements from a diversified group of clients and partners.

- Preparing requirement documents and analyzing business needs.

- Spatial data delivery techniques and methods for delivering real-time and near real-time data to clients and partners and/or their decision support systems.

- Development and design of real-time data and product dissemination systems.

- Partnerships with companies who are leaders in their fields.

### IES Services

### Consulting

IES' consulting services include performing feasibility studies, generating requirements specifications, developing procurement strategies and performing independent verification and validation.

### Integration

IES acts as an integrator of diverse systems procured from various suppliers. IES develops the software required to integrate such systems together and provides an overall integrated solution.

### Development Services

IES provides software development services for various Operating Systems, including UNIX, QNX, DOS, WINDOWS and WIN95, using a variety of languages, which include JAVA, J2EE, C and C++.