



Profile of Info-Electronics Systems Inc. (IES)

Transform Weather Forecasting and Early Warming – See How IES Leads the Way

1. Introduction

Incorporated in 1981, Info-Electronics Systems Inc. is a Canadian company with an additional office in India established in 1995. Our work spans meteorology, hydrology, remote sensing, and environmental monitoring. From 1980 to the present, we have designed, developed, and deployed numerous systems.

2. Recently completed Projects

Project in Tonga

In the year 2024, **IES** and **HYDS**, our Spanish Partner that was involved in the Early Warning System (**EWS**) called “Anywhere for Europe (**A4EU**)”, won a **World Bank** project for a fully Integrated Forecasting Platform IFP (called the Met-WebGIS) and the Early Warning System (based on the ARGOS) for the Tonga Met. Service (**TMS**). The Factory Acceptance Testing (**FAT**) was held in May 2025 and the Site Acceptance Testing (**SAT**) and user training were completed in the end of 2025.

Project for ANAM – in Burkina Faso, Africa

In January 2025, IES was awarded a contract by **WMO** to supply and install a complete system aimed at data integration, visualization, surveillance, and weather forecasting for the “Agence Nationale de la météorologie (**ANAM**)” in Burkina Faso. The FAT was done in mid-2025 and the SAT and user training were successfully completed in November 2025. The system is fully operational and was completed on schedule.

Project in India for Heliport AWOS

We completed a Project for Automated Weather Observation System for Heliport (**H-AWOS**) for 10 dispersed sites in India. The final site of the was successfully completed in September 2023.

Sand and Dust Storm Warning System for Saudi Arabia

This project is for the National Centre for Meteorology (**NCM**) of Saudi Arabia. Once completed it will have 600 AWSs, 600 Cameras, and 4 LIDAR systems to measure various parameters and provide them to the Central location. The data collection at the Central site and generating alarms to be provided on the Mobile phones is to be done by IES software.

AMDAR Project

This is another project from NCM Saudi Arabia. It deals with collecting data from various Aircrafts and providing the profile of the atmosphere to the NCM Model.

3. Some Past Projects

IMPDS – Satellite Reception and Processing of Raw Data

A system for Processing of satellite data for INSAT series of meteorological satellites. The data was registered, navigated and calibrated. It was processed to produce satellite imagery for weather forecasting. In addition, various products such as CMV, WVW, SST, QPE, HSCAS, etc. were produced.

Flood Forecasting System for the Central Water Commission of India

A large Water Management and Flood Forecasting System in two Basins. We installed 55 AWSs with INSAT Satellite Data Transmission System. The data was stored and also fed to Mikes-11 Flood forecasting System.

4. Some very Old Projects from 1980s

METESIS and SATNET

METESIS was developed to replace the old multi-drop system for distributing Weather Charts and Satellite Imagery. At that time, Very Small Aperture Technology (**VSAT**) technology was not available, therefore, custom made Transmitters and Receivers were used to develop a network of two transmission site (to back-up each other) and 72 Reception Systems all across Canada. These sites distributed Weather Charts, Satellite Imagery, and bulk alphanumeric Data.

When the VSAT-technology became available, which was much cheaper than the custom-made Transmitter and Receivers, we replaced the Receive stations with VSAT systems. IES managed this very large project.

This project gave rise to the SADIS (UK) and ISCS, and now the WIFS system of the USA.

National Computer Communications System (NCCS)

The NCCS was developed to create a network of 10 computers in various Canadian Cities to provide easy access and data entry for alphanumeric (**AN**) weather data, which was previously distributed through a multi-drop network of teletypes which were polled for entering AN weather data information. This network provided interactive access and entry for AN data. IES managed this very large project.