

Success Story

67 Automated
Weather Observation
Systems for Indian
airbases



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Tender

AWOS systems for 67 military airports

Client

Indian Air Force

Indian Air Force (IAF; Bhartiya Vāyu Senā), the flying wing of the Indian armed forces, is responsible for the security of Indian airspace.

Contractor

Nelco Limited

ICAO category

Military Airbases

MicroStep-MIS won a tender for the delivery of meteorological system for 67 Indian military airports for the Indian Air Force. The project for Indian Air Force was a challenging project, not only in the number of deliverables but also in terms of time as it was necessary to deliver the results in a very short time. All delivered systems have been operating reliably since their installation in 2008.



The reliability and durability of the delivered system are essential for ensuring the safety of the Indian population. MicroStep-MIS worked closely with a local partner "Nelco", a member of the Tata Group, a global enterprise with more than 100 operating companies in several areas of business.

“ *Reliable
operation in 3256 m
above mean sea level
since 2008.*

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Tender

The tender was held in two rounds:

1) The technical round included the installation of two demo Automatic Weather Stations Gwalior airbase and Leh Airport. This phase was carried out in February and May 2006.

2) The non-technical round was based on price negotiations and was also won by MicroStep-MIS; as the company always provides its customers with highly competitive prices.

The system was manufactured and assembled after the contract signature in May 2007. Deliverables were expedited by December 2007 and inspected at Nelco on January 10th, 2008. The inspections were performed by a responsible military expert and in presence of MicroStep-MIS representative Martin Gažák, the Senior Airport Systems Product Manager.

The ceremonial inauguration of the first successfully installed and operating AWS at Hindon Air Force Station was led by Vice Marshal, Ajit Tyagi VSM, on January

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Customer experience

30th, 2008. Due to the fact that the service was a crucial issue in the delivery of critical systems, MicroStep-MIS provided the client with comprehensive training and educational programs. Later, additional ceilometers were installed at the airports.

Positive feedback from our customers is the most valuable experience for us. In December 2011, after five years of reliable operation of the system, we received an official letter of thanks. This assures MicroStep-MIS management and employees that their work is fully recognized as top-quality.

Challenge

- Systems required to operate reliably in the Himalayas as well as in the tropic climate
- Highly competitive Indian market
- Delivery in a very short time
- Easy deployment - to be performed by local personnel only

Our solution

- Each airport includes 2x AMS 111 Automatic Weather Station with a variety of meteorological sensors
- Highly reliable communication network based on radio modems, collecting data from the runway field sensors, as well as enabling the Control Tower data distribution
- IMS 4 AWOS application software with IMS 4 Observer PC and two backup displays with the autonomous data processing. Screen layout customized as per IAF requirements.

Achievements

- 5 years of reliable operation confirmed by letter AHQ/17327/1/121/MET/SO/022/2010 of AK Kulshreshta, Wing Commander, Joint Director Met (Eqpt), Air HQ, New Delhi -110106
- Successful integration of ceilometers in 2009 at 50 airbases
- Delivery of additional 26 wind measurement systems in 2010/2011

150+

talented and dedicated
professionals working
together

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