COMPANY PROFILE
2017

BKC WeatherSys Pvt. Ltd. New Delhi, India

Corporate Office: 109, 32/33, Kusal Bazar, Nehru Place, New Delhi, India
Project Office: H-135, Sector 63, Noida, Uttar Pradesh, India

www.weathersysbkc.com
BKC WeatherSys Pvt. Ltd. (formerly known as BK Consimpex Pvt. Ltd.) is one of India’s first private sector meteorology and environmental technology companies. Founded in 1989, BKC WeatherSys provides turn-key technology and service solutions for weather, power, aviation, agriculture and solar energy industries. Headquartered in a 30,000 sq. ft. facility in Noida, Uttar Pradesh, India, BKC WeatherSys employs ~50 engineers, meteorologists and support staff.
Core Competencies

A 25 year old Knowledge-based Company

- **Instruments**
  - Turnkey installations & support of weather monitoring systems and devices including radars & satellite data reception systems, including devices for climate resilient agriculture

- **Software Development**
  - Customized software for meteorology and development of systems for met data reception, analysis and visualization, including GIS Systems (IMD, IAF, Navy, DRDO)

- **Weather Forecasting:**
  - Aviation
  - Solar
  - Agro
  - Customized Operational Weather Data to print, electronics and end users in Energy, Oil & Agro sectors. (Spun-off in 2011 as Skymet Pvt. Ltd).

ISO 9001:2008 Certified by DNV and NABCB (QMS 001) for Design, Development, Supply & Installation of IT Enabled Turn Key Solutions including software related to Meteorological & Environmental requirements
Core Instrumentation Offerings

Surface Observations
- Automatic Weather Stations
- Automatic Weather Observation Systems
- Visibility Sensors

Upper Air Observations
- Automatic Weather Observation Systems
- Weather RADAR Systems
- Radiosondes
- Ceilometers

Satellite Data Receiving Systems
- For INSAT series satellites
- For NASA

Solar Radiation
- Solar Monitoring Stations
- Scintillometers
- UV/Net Radiometers

Agro Met
- ET & Disease Monitoring
- Scintillometer based ET Systems
- Eddy Covariance Systems
- Plant Phenomics Systems

Integrated Systems since 1990
Core Software Offerings

*Software developed in-house at BKC

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<tr>
<th>metGIS: Forecasting Workstation</th>
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<tr>
<td>• Automated reception of satellite images and data from multiple sources, including models</td>
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<td>• Advanced image processing and editing tools to generate forecasts for variety of applications</td>
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<td>• Used by the Indian Air Force</td>
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<th>MAUSAM: (AWS Integration)</th>
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<tr>
<td>• Integration and decoding of measured weather and atmospheric parameters from automated weather stations</td>
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<td>• Rich visualization and analysis interface</td>
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<th>Agro-Weather Real Time</th>
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<td>• Automated crop weather (current and forecast) for all major commercial crops in India</td>
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<tr>
<td>• Real-time commodity market prices and market (mandi) arrivals information</td>
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<td>• View demo on Weatherindia.net</td>
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<th>Seismic Graph Reader</th>
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<tr>
<td>• Software for digitizing seismic graphs.</td>
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<td>• Searchable database generation that includes time points and curvature</td>
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<td>• Pilot for Bhabha Atomic Research Centre</td>
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Technology Partners
(Exclusive partnerships for India)

Kipp & Zonen, B. V. The Netherlands
- Solar Radiation Measurement Instruments

MetOne/Climatronics, USA
- AWS, Meteorological sensors

EEC, USA
- Doppler Weather Radar Systems

NetSys International, South Africa
- Message Switching Systems

Distromet Ltd., Switzerland
- Disdrometers

Past Partners-Vaisala, Finland (8 years)
- Gill Instruments, UK (5 years)
Installed in over 120 sites across India (~600 MW)
MNRE Compliant
WMO Standard
NIST Traceable
Solar Energy Forecasting & Scheduling: metGIS SOLAR

- GIS-based
- First Developed for Indian Air Force in 2005

NWP Models
Satellite Data
Cloud Data
Ground Data

Solar Energy Forecasts
Agriculture: Weather-based Agro Advisories

Satellite Data
Numerical Weather Prediction
Field Conditions
Radar Data
Ground Measurements

Farmer Information

metGIS AGRO

ADVISORIES
CROP ANALYTICS

Integrated Systems since 1990
Key Institutional Customers

- India Meteorological Department
- Indian Institute of Tropical Meteorology
- National Aeronautics and Space Administration
- National Oceanic and Atmospheric Administration
- Indian Space Research Organization
- Indian Air Force
- Indian Navy
- Airports Authority of India
- Oil and Natural Gas Corporation
- IIT Kanpur
- IIT Bombay
- IIT Delhi
- NTPC
- BHEL
- IndianOil
Key Institutional Customers  …Contd.

- BITS Pilani
- Thapar University
- Bharat Heavy Electrical Ltd.
- Indian Institute of Technology, Hyderabad
- Indian Institute of Science
- IIT Roorkee
- National Atmospheric Research Laboratory
- NIT Hamirpur
- National Institute of Technology Nagpur
- National Thermal Power Corporation Ltd.
- International Centre for Integrated Mountain Development
- IIT Guwahati
- Gandhigram Rural Institute
- The Energy and Resources Institute
- Visvesvaraya National Institute of Technology Nagpur
Selected Publications

Visit http://weathersysbkc.com/knowledge-center.html

APPLICATION OF SOLAR WEATHER MONITORING SYSTEMS IN INDIA
Energetica-India, May 2014  View | Download

COMPARATIVE ANALYSIS OF SOLAR PLANT PERFORMANCE
Resolve White Paper  View | Download

SOLAR RESOURCE ASSESSMENT IN INDIA
SOLAR QUARTER  Feb 2014  View | Download

MONITORING SOLAR RADIATION TO IMPROVE PLANT PERFORMANCE
EQ International- Anniversary issue Feb 2014  View | Download

THE USE OF PYRHELIOMETERS AND PYRANOMETERS IN SOLAR MONITORING
EQ International- Anniversary issue  Feb 2014  View | Download

SOLAR RADIATION MEASUREMENTS: ACCURACY MATTERS
EQ International  November 2013  View | Download

SOLAR RADIATION MEASUREMENTS: WHY ACCURACY MATTERS
Energetica India  Sept/Oct 2013  View | Download

SOLAR RESOURCE ASSESSMENT: MAKING SENSE OF DATA
EQ International  April 2013  View | Download

Integrated Systems since 1990
Thank you!

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