

AdvanceTech Group

Keeps You Ahead





Serving Customers Since 1995



FOR

GROWTH

AdvanceTech was established in 1995 with the aim to provide quality service, state-of-the-art products and solutions by leveraging the vast experience of the founders of the company in the field of Technology. The company is a leading provider of technology products and services with over 100 man-years of unmatched experience with more than 1000 satisfied customers. We are recognized as the pioneer in many technological products and have been involved many application oriented support and solution programs. We attribute our success to our dedicated employees. They meet our esteemed customer's need to succeed in this technological race with time by providing state of the art products and solutions.

The independent business groups within AdvanceTech are headed by dynamic team leaders and cater to the diversified market segments around the globe. The business groups are driven by experienced group leaders and supported by team of qualified personnel who are PhDs, MBAs and Engineers for value addition and application support throughout the world.

All business groups are managed with product, marketing and service team. The service team members are trained in factories; to provide world class support services. We have seen excellent growth in varied market segments. Our reach in diversified market has helped us to sustain the growth rate irrespective of market sentiments in any individual segment.

Founders and Directors Operational Excellence



Pradip Kulkarni
Managing Director

Electrical engineer from Bangalore University with more than 36 years of experience of Serial Entrepreneurship Establishing Joint Venture with French German Dutch and US Companies in Scientific ,Telecom, Embedded systems Acquired and Scaled up IT company in North America and EMEA.



Arindam Gupta
Director and COO

Instrumentation & Control Engineer, with an experience of over 30 years in the field of Process Control and Instrumentation.



Nijesh Parmar
Director and CTO

Instrumentation & Control Engineer, with an experience of over 30 years in the field of Electronics & Instrumentation.

25 years
of proven experience

5000+
customers worldwide

24x7
Support Centre

9 Offices
Globally
PAN India Presence



Training Centre
State-of-the-art Training
Center

Integration & Assembly Facility
10,000 SFT Integration and assembly facility
6000 SFT Software Dev Facility

Software Team
Software Developers in
group company

Human Capital
More than 70+ employees including
Engineers, MBAs & PhDs.



Distribution

Mil Aero and Rugged Solutions
Industrial Automation
Education and Research
Nuclear Instrumentation
Banking and Business Processing



Engineering Services

Design Engineering System Integration
Installation and AMC
Consulting



Software Services

SCADA HMI
IOT, CLOUD , Enterprise Solutions
BI and Analytics
AI and ML



Joint Ventures

ICONICS USA
Kontron AG Germany (Exited)





DUBAI
EMEA
WOS



France
JV



Germany
JV



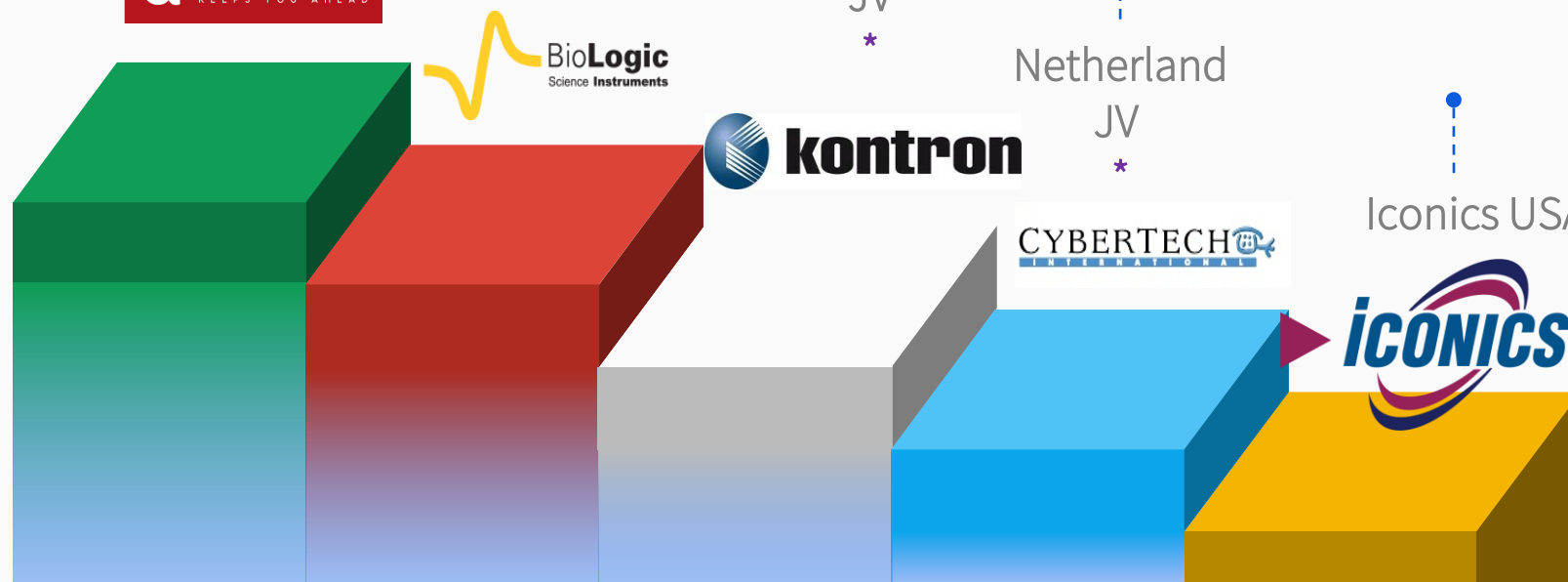
Netherland
JV

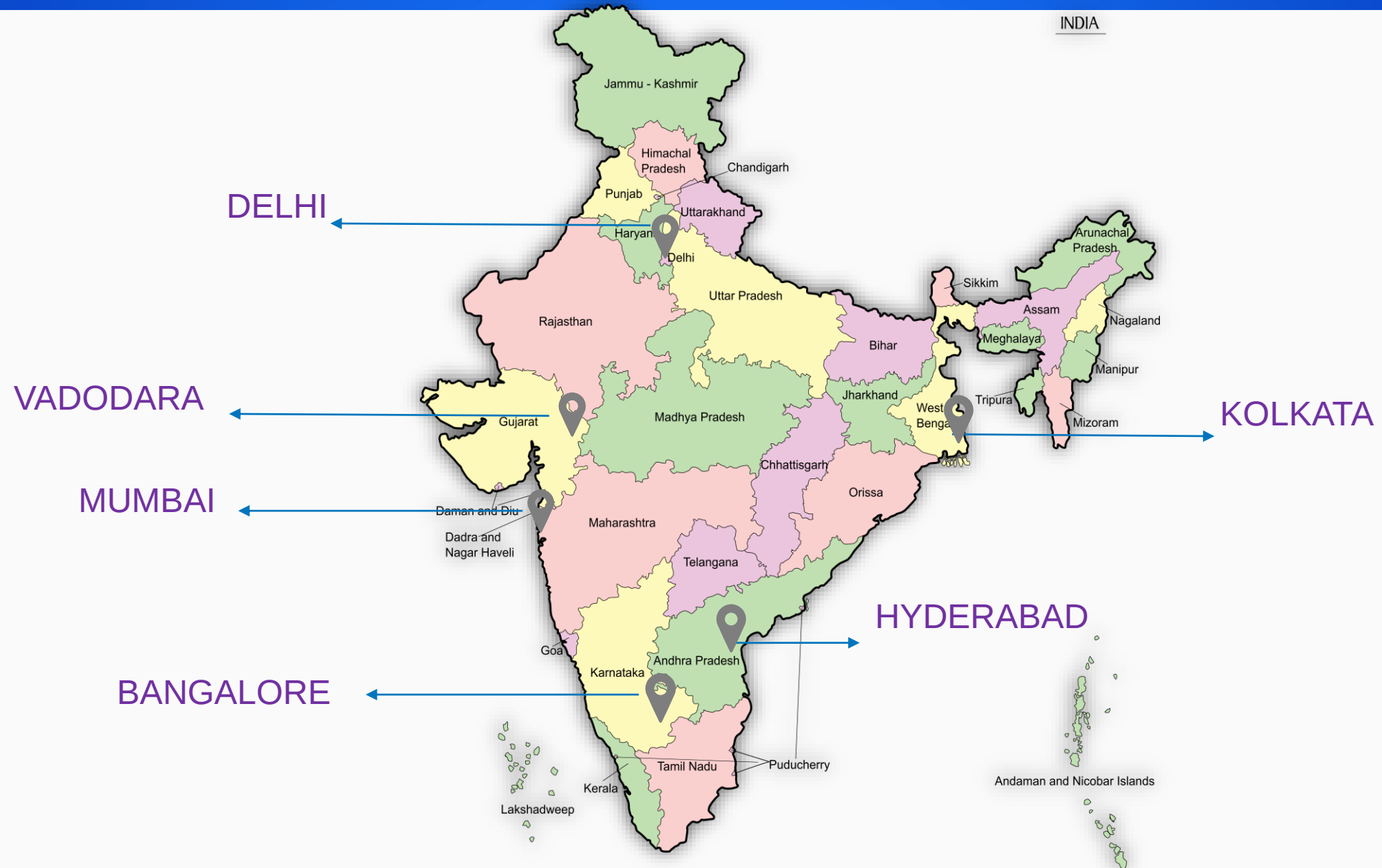


Iconics USA

- ICONICS USA
- CYBERTECH Netherland *
- Kontron AG Germany *
- BioLogic France *

* Exited





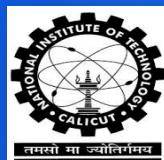
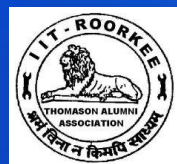
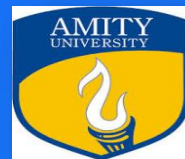
FEW OF OUR CUSTOMERS



INDIAN NAVY



FEW OF OUR CUSTOMERS



PRODUCTS

Industrial Automation

Sense
Measure
Control
Analyze
Report

Sensing and Measuring Instruments



- Pressure and DP Transmitter
- Test Grade Transducer
- CAN Bus Interface Transducer
- Ultrasonic Flow Meter
- Turbine Flow Meter
- Positive Displacement Meter
- High Precision Rota Meter
- Thermal Mass Flow Meter/Controller
- Electro-magnetic Flow Meter
- Humidity Transmitter
- Head-mount Temperature Transmitter
- DIN-rail Temperature Transmitter

- Infrared Gas Analyzer
- Single or Double Beam Gas Analyzer
- Flue Gas Analyzer System
- Paramagnetic Oxygen Analyzer
- Zirconia Oxygen Analyzer
- Thermal Conductivity Gas Analyzer
- Online Corrosion ER/LPR
- CEION High Precision Corrosion
- Corrosion Monitoring Ultrasonic
- Wireless Gas Detector



Indicator and Controller

- Universal Process Indicator
- Panel Meter
- Visual Management
- PID and Profile Controller
- Multi-loop / Multi-function Controller
- Process Controller
- Batch Controller
- DIN rail Controller
- Thermostat/Refrigeration Controller

Analyzer and Detector



Data Acquisition and Control System



- Rugged Data Acquisition with I/O
- Data Acquisition with Multi Protocol
- Multi-zone PID Control with Web Server
- Vehicle Data Acquisition System
- Energy Meter
- Distributed PAC Systems
- Programmable Logic Controller
- Standalone I/O Module
- Rugged HMI with IO
- Industrial HMI
- RTU with on Board Input Output
- Signal Conditioners

Networking & Enterprise Solution



- Managed or Unmanaged Switches
- Rugged Ethernet Switches MIL Grade
- Industrial Router
- Protocol Converter
- Media Converter
- Serial Converter
- Fanless BOX PC
- Touch Panel PC – IPC

Primary Flow Calibrator



- Liquid Primary Flow Calibrator
- Gas Primary Flow Calibrator

PRODUCTS

Mil Aero Systems

Embedded Systems
COTS VPX VME CPCI
Rugged CPU Displays
Graphics & FPGA
RTOS , Application SW
Tools

Rugged I/O, Multifunction IO
and DAQ system
Avionics Interfaces
MIL 1553, ARINC
Test Systems ,
Rate Table ,

Sensing and Switching Solutions



Sensors, Transducers, Switches, Flow meters – Rugged Miniature solutions for Mission Critical Application areas for Aircraft, Missiles , Launchers and UAV, Satellite, Rockets, Military Vehicles.

- Switches for Pressure, Flow, Level and Temperature
- Sensors and Transducers
- Flow Meters
- Signal Conditioning

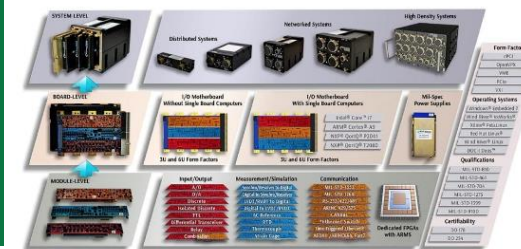
Avionic Data-bus Interface Solutions

MIL-STD-1553, MIL-STD-1760, ARINC 429, ARINC 717, ARINC 708, Time Triggered Ethernet: Interface solution for aircraft, UAVs, and ground mobile platforms etc. Combine these interfaces with CoPilot, our intuitive graphical software program, to easily monitor, record, replay, analyze, and simulate avionics bus data.

- Compact USB to 1553/ARINC/MULTI PROTOCOL
- PCI/PCIe/cPCI/PXI/OpenVPX/VME/ Ethernet for MIL-STD-1553, ARINC/Serial/Discrete I/O
- Embedded Avionics Interfaces PMC/XMC/MiniPCIe/PC104
- AVIONICS Interface Rugged Computers, Processor Boards
- Avionics Interface Software – CoPilot
- DATA LOADERS – ARINC 615-3 and ARINC 603



COSA-Configurable Open System Architecture



COSA Modules, Boards and Systems – Over 70 high-density, COSA smart modules are available for placement on intelligent I/O Boards, which can operate as standalone systems. The breadth of available, off-the-shelf functions makes it likely that we can meet your I/O requirements, no matter how intense or precise, better than any other COTS systems supplier and without NRE. Further, our OpenVPX, VME, cPCI and PCIe boards can be placed into Rugged COSA Systems that range from a single module to high-density systems supporting up to 10 motherboards and 60 smart modules (and virtually everything between).

- Smart IO Boards
- Single Board Computers
- Rugged COTS Systems
- Rugged Power Supplies/Power Monitors
- Rugged Ethernet Switches
- Synchro / Resolver / LVDT / RVDT Boards
- Synchro/ARINC 429/Fuel Flow Modules

Single Board Computers (SBC), GPU, Servers

Single Board Computers (SBCs) support the latest Intel® or NXP (formerly Freescale) processors, and offer a wide variety of I/O options, including 10 Gigabit Ethernet, Gigabit Ethernet, USB, SATA, serial, graphics, and more

- 3U VPX SBC
- 3U Open VPX SBC with IO
- 6U VPX SBC
- 6U VME SBC with IO
- 3U cPCI SBC with IO
- 3U & 6U cPCI SBC
- Comexpress Processor Boards
- PMC/XMC Processor Boards
- RackMount Servers
- Storage Modules
- Ethernet Switches/Routers



Rugged Displays and Panel PC



Rugged Displays solution from 8" to 65" size ranges for defense, marine, industrial and air traffic control markets. Rugged Displays and Panel PC are designed for use in the most demanding and Harsh Environments. Display options include touchscreen, Special and Propriety bonding and screens are environmentally sealed to withstand the barrage of particles, dust, moisture, heat, salt and fog.

- Military Grade Displays/Panel PCs – 10" to 65"
- Marine Grade Displays and Panel PC
- Industrial Grade Displays and Panel PC
- Air Traffic Control Flat Panel LCD Displays
- Military Keyboards & Trackballs

Mil Aero Systems

Embedded Systems
COTS VPX VME CPCI
Rugged CPU Displays
Graphics & FPGA
RTOS , Application SW
Tools
Rugged I/O, Multifunction IO
and DAQ system
Avionics Interfaces
MIL 1553, ARINC
Test Systems ,
Rate Table ,

Test and Measurement Instruments

Benchtop Instruments for motion simulation and measurement instruments specifically designed for defense, commercial aerospace and industrial applications. Typical applications include design; simulation; production test; and calibration of airborne, ground-based, and shipboard systems such as navigation control, signal retransmission, fire control, LVDT/RVDT simulation, and test.

Bus analysis tools, embedded test tools, and the industry's broadest line of JTAG/boundary-scan software and hardware products for Functional Test, Manufacturing Test, InSystem Programming and for Development and Debug

- Angle Position Indicator
- Phase Angle Voltmeters
- Synchro/Resolver Simulator
- JTAG Boundary Scan
- Bus Analyzers & Exercisers
- High Speed DAQ – ADC/Digital IO/Digitizer
- Scalars/Counters/MultiScalers
- PCI/PCIe/cPCI Interface Boards
- USB Data Acquisition



Chassis, Components and Power Supplies



Product line encompasses well over 16,000 parts, including system packaging and boards, enclosures, backplanes, cabinets, and other electro-mechanical components designed to be superior in quality, reliability, performance, and innovation products based on VITA (VME, VPX, and VXI), PICMG standard architectures (CPCI, ATCA and MicroTCA) and rugged COTS based solutions.

- Backplanes
- Rotary Switches
- Rugged and Industrial Chassis and 19 inch Enclosures
- Power Supply – VPX, AC/DC, DC/AC, DC/DC, Brick power supplies
- DC Power Line Conditioners- Hold Up Time



Motion Simulation Systems

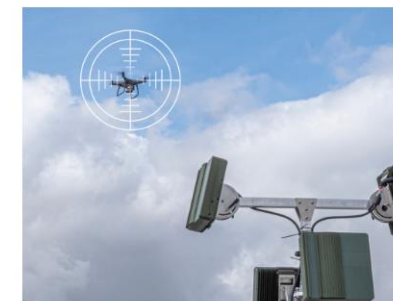
Motion systems solution to support the development, testing and evaluation of inertial navigation devices and guidance systems required by the commercial and defense industry. Position and rate table systems provide angular position, rate and acceleration motions for development and production testing of inertial components and systems. Flight motion simulation systems include real-time Hardware-in-the-Loop (HWIL) motion control instrumentation, high-dynamic electric and hydraulic flight motion systems, and target motion systems. These advanced systems are used to test infrared, laser and RF guided weapon systems such as missiles and smart munitions.

- Single Axis Rate And Positioning Tables
- Two Axis Rate And Positioning Tables
- Three Axis Rate And Positioning Tables
- Three and Five Axis Electric /Hydraulic Flight Motion Simulators / HWIL Systems
- X-Y Target Motion Simulator
- Manual Positioning Tables for Testing Aircraft Instruments
- Scorsby Motion Tables
- Tachometer Testers
- Non-Magnetic Rate And Positioning Tables

Counter Drone Systems

Detect. Assess. Respond. Provides protection against drones threatening safety, security and privacy. Our state of the art detection and countermeasure products aid your security force against the significant and growing threats that drone technology makes possible.

- Body Worn System – Drone Gun, RF Patrol, Drone Node.
- Vehicle Mounted System – Drone Sentry X, Drone Cannon RW, RF Zero
- Stationary System – Drone Sentinel and Drone Sentry



Dealing and Trading Floor



- Trading Floor Communications
- Trading Floor Compliance
- Hoot and Holler
- Turnkey Deployment
- Virtual Trading Dealer Board
- Unified Communications

- VoIP/SIP Recording Solution
- Compliance Recording
- Contact Centers
- Workforce Management
- Interaction Analytics
- Voice Biometrics

Public Safety



- Emergency Medical Services
- Public Safety Answering Points
- Public Utilities
- Security Alarm Monitoring

Voice Recording and Analytics



Enterprise Solution

- IOT
- CLOUD
- Enterprise Solutions
- Business Intelligence
- Dealing Room solutions
- Turrets
- Voice Recorders

- Air Traffic Control
- Transportation
- Disaster Management
- Military and Defence

Data Center and Software



- Data Center Management
- Record Check and Call Match
- Tape Replication
- Call Accounting

- Annual Maintenance Contract
- 24 x 7 Support
- Consultancy Services
- Managed Services

Command Control



Services



In vivo and Health Safety



- In Vivo Counting Systems
- Health Physics Instruments
- Proton Beam Testing

Environmental Monitoring Systems

- Tritium Monitors
- Plant Radiation Monitoring Systems
- Radon Monitor



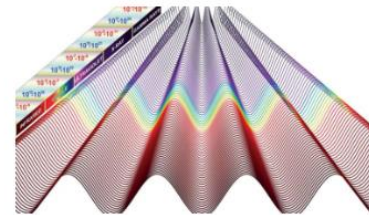
Radiation Emergency



- Emergency Response Kits

Education Research
Nuclear Instrumentation
Radiation Monitoring
Environmental
Monitoring
Nanotechnology

Spectroscopy and Counting Systems



- Gamma Spectroscopy
- Alpha Spectroscopy
- Alpha/Beta Counting Systems
- Field Applications

Electronics and Data Acquisition Systems

- Multi Channel Analysers
- NIM Modules
- Modular Multi-Channel Digital Pulse Processors
- Softwares



Chemical Engineering



- Absorption
- Adsorption
- Crystallization
- Distillation
- Extraction
- Evaporation
- Filtration
- Reaction
- Ion exchanges resins
- Reverse Osmosis
- Water Treatment
- Waste Treatment
- Pilot Plants

Civil Engineering



- Forces
- Friction
- Strength of Material
- Structure
- Vibration

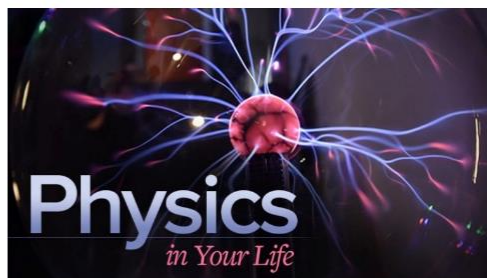
Mechanical Engineering



- Refrigeration & Air Conditioning
- Internal Combustion Engines
- Heat and Mass Transfer
- Theory of Machines
- Fluid Mechanics
- CNC Machines

Education Research
Nuclear Instrumentation
Radiation Monitoring
Environmental Monitoring
Nanotechnology

Physics



- C-V Plotters
- Mercury Probe
- Cryogenic Probe Station
- Automatic Mapping Four Point Probe System
- Basic Hot Chuck System
- Reference Wafer
- Nuclear Labkit

- Minilab
- Turbogen
- Sprayview
- Airflow System
- Bernoulli's Equation
- Round Turbulent Jet Investigation
- Principles of Airflow, Friction Losses in Bends and Pipe Elements
- Jet Propulsion Test Stand

Aeronautical Engineering



Material Testing & Research



- Loading Devices
- SSRT Autoclaves
- Electrochemical Tools
- Controlled-Flow Instruments
- Test Loops
- Laboratories
- Magnus 300KN Test Frame
- Twin Hydraulic Ram System
- Universal Testing Machine

Steam & Renewable Energy



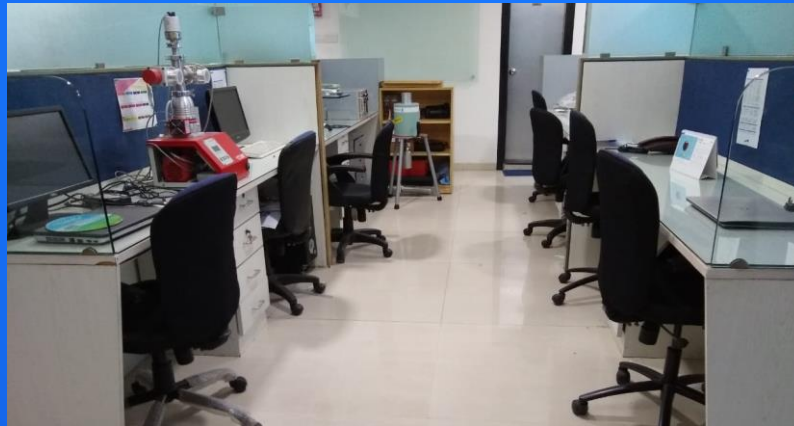
- Wind Lab
- Educational PEM Fuel Cell
- Photovoltaic Trainer
- Horizontal Axis Wind Turbine
- Combined WIND and SOLAR Generator Demonstrator
- Steam Generator And Service Module
- Steam Turbine Module
- Rankine Cycle Steam Turbine

Infrastructure

- Mechanical Assembly
- System Integration
- Software Development
Improvisation
- Calibration
- Acceptance Test Platform
- Installation
- Repair Facility



Our Office Facilities Across India



SOFTWARE TEAM



Training

Technical
Support



Quality
Professional
Services (QPS)

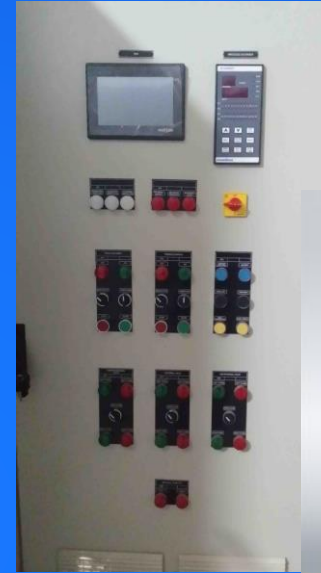
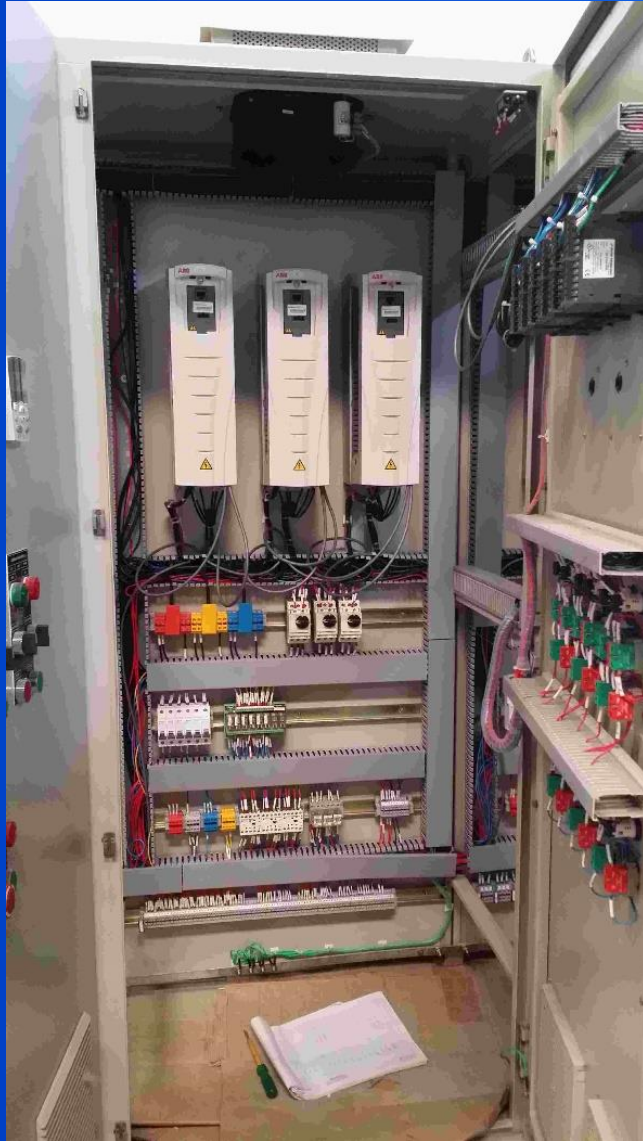


Team

Our Teams

Young
Dynamic
Experienced
Engineers
MBAs
Make.....AdvanceTech
Agile
Competitive
Wining Workforce





AdvanceTech



Udyog Aadhaar																			
B	<table border="1"> <tr> <td>Type of Enterprise</td> <td>Micro</td> <td>Small</td> <td>Medium</td> </tr> <tr> <td>Manufacturing</td> <td>A</td> <td>B</td> <td>C</td> </tr> <tr> <td>Services</td> <td>D</td> <td>E</td> <td>F</td> </tr> <tr> <td>UAM No.</td> <td colspan="3">GJ2480005204</td> </tr> </table>	Type of Enterprise	Micro	Small	Medium	Manufacturing	A	B	C	Services	D	E	F	UAM No.	GJ2480005204				
Type of Enterprise	Micro	Small	Medium																
Manufacturing	A	B	C																
Services	D	E	F																
UAM No.	GJ2480005204																		
Udyog Aadhaar Memorandum Aadhaar Number: 878618810607 PAN Number: AABCA5851H Name of Entrepreneur: ARINDAM GUPTA Social Category of Entrepreneur: GENERAL Gender: Male Physically Handicapped: No Name of Enterprise: ADVANCE TECH CONTROLS PRIVATE LIMITED Type of Organization: Private Limited Company Location of Plant Details:																			
1	<table border="1"> <tr> <th>SN</th> <th>Flat/Door/Block No.</th> <th>Name of Premises/Building Village</th> <th>Road/Street/ Lane</th> <th>Area/Locality</th> <th>City</th> <th>Pin</th> <th>State</th> <th>District</th> </tr> <tr> <td>1</td> <td>83-A</td> <td>GIDC</td> <td>Ramangamdi</td> <td>Por</td> <td>Vadodara</td> <td>391243</td> <td>GUJARAT</td> <td>VADODARA</td> </tr> </table>	SN	Flat/Door/Block No.	Name of Premises/Building Village	Road/Street/ Lane	Area/Locality	City	Pin	State	District	1	83-A	GIDC	Ramangamdi	Por	Vadodara	391243	GUJARAT	VADODARA
SN	Flat/Door/Block No.	Name of Premises/Building Village	Road/Street/ Lane	Area/Locality	City	Pin	State	District											
1	83-A	GIDC	Ramangamdi	Por	Vadodara	391243	GUJARAT	VADODARA											
Official Address of Enterprise: 83-A GIDC RAMANGAMDI, POR, VADODARA District: VADODARA State: GUJARAT PIN: 391243 Mobile No: 9987308822 Email: arindam.gupta@advancetech.in																			
2	Date of commencement: 22/10/1996																		
3	Previous Registration details-if any: --																		
4	Bank Details: IFS Code: C/T0000008, Bank Account: 0015340266																		
5	Major Activity: MANUFACTURING																		
6	<table border="1"> <tr> <th>SN</th> <th>NIC 2 Digit</th> <th>NIC 4 Digit</th> <th>NIC 5 Digit Code</th> <th>Activity Type</th> </tr> <tr> <td>1</td> <td>26 - Manufacture of computer, electronic and optical products</td> <td>2610 - Manufacture of electronic components</td> <td>26109 - Manufacture of other electronic components n.e.c</td> <td>Manufacturing</td> </tr> <tr> <td>2</td> <td>26 - Manufacture of computer, electronic and optical products</td> <td>2651 - Manufacture of measuring, testing, navigating and control equipment</td> <td>26517 - Manufacture of industrial process control equipment</td> <td>Manufacturing</td> </tr> </table>	SN	NIC 2 Digit	NIC 4 Digit	NIC 5 Digit Code	Activity Type	1	26 - Manufacture of computer, electronic and optical products	2610 - Manufacture of electronic components	26109 - Manufacture of other electronic components n.e.c	Manufacturing	2	26 - Manufacture of computer, electronic and optical products	2651 - Manufacture of measuring, testing, navigating and control equipment	26517 - Manufacture of industrial process control equipment	Manufacturing			
SN	NIC 2 Digit	NIC 4 Digit	NIC 5 Digit Code	Activity Type															
1	26 - Manufacture of computer, electronic and optical products	2610 - Manufacture of electronic components	26109 - Manufacture of other electronic components n.e.c	Manufacturing															
2	26 - Manufacture of computer, electronic and optical products	2651 - Manufacture of measuring, testing, navigating and control equipment	26517 - Manufacture of industrial process control equipment	Manufacturing															
7	Persons employed: 12																		
8	Investment (Plant & Machinery / Equipment): 85(Rs. In Lakhs)																		
9	District Industry Centre: VADODARA																		
Declaration: I hereby declare that information given above is true to the best of my knowledge. Any information, that may be required to be verified, shall be provided immediately to the concerned authority. yName Mobile App (Beta Version) is available now for download: https://play.google.com/store/apps/details?id=com.mymame																			

- Qualified MSME , NSIC,ISO Registrations
- Udyog Aadhar Registration with MSME

DISTRICT INDUSTRIES CENTER, VADODARA (Government of Gujarat)			
FIRST FLOOR, NARMADE BHAVAN, C BLOCK, JAIL ROAD, VADODARA, PH. 0262420346, Fax No. 0262425618, E-mail: gm-dic-vad@gujarat.gov.in			
No/DIC/ADV/EMP/Part-II/ 10379012 Form No: 7399			
ENTREPRENEURS' MEMORANDUM FOR SETTING UP MICRO, SMALL OR MEDIUM ENTERPRISE			
ACKNOWLEDGEMENT FOR PART - I			
M/s. ADVANCE TECH CONTROLS PVT LTD HAS FILED MEMORANDUM FOR A SERVICE ENTERPRISE AT THE ADDRESS 83/A GIDC RAMANGAMDI At Village : POR, At Taluka : VADODARA, At District : VADODARA /PIN - 391243 FOR THE ITEM/ITEMS INDICATED BELOW AS STATED IN FORM NO. 7399 AND ALLOCATED ENTREPRENEURS' MEMORANDUM NO. AS BELOW :			
MAIN TYPE OF SERVICE RENDERED OTHER BUSINESS ACTIVITIES N.E.C.			
DETAILS OF THE TYPE OF SERVICE RENDERED			
Sl. No.	Type of service rendered	Capacity Per Annum Qty Unit	Initial date of production/ commencement of service
1	REPAIR & MAINTENANCE OF ELECTRONIC INSTRUMENTS, ERECTION & INSTALLATION OF ELECTRONIC INSTRUMENT.		22/10/1996
DETAILS OF PLANT AND MACHINERY AS PER DATE, NISSE INVESTMENT (IN Lac.)			
Sl. No.	Investment in Plant and Machinery/Equipments	Date of Investment	
1	63.0000	01/10/1996	
NOTE: THE ISSUE OF THIS ACKNOWLEDGEMENT DOES NOT BESTOW ANY LEGAL RIGHT. THE ENTERPRISE IS REQUIRED TO SEEK REQUISITE CLEARANCE/CLEARANCE REQUIRED UNDER STATUTORY OBLIGATION. STIPULATED UNDER THE LAWS OF CENTRAL GOVERNMENT/STATE GOVERNMENT/ADMINISTRATOR/COURT ORDERS.			
DATE OF ISSUE: 20/03/2012			
NATURE OF ACTIVITY (MANUFACTURING-1, SERVICES-2)		2	
CATEGORY OF ENTERPRISE (MICRO-1, SMALL-2, MEDIUM-3)		2	
ENTREPRENEURS MEMORANDUM NUMBER (PART - II)		24 - 019 - 22 - 05412	
(First two digit = State, Next three digit = District code, sixth digit = Nature of Activity, seventh digit = category of enterprise and last five digit are for Entrepreneurs' Memorandum)			
DATE: 20/03/2012			
PLACE: VADODARA			
To, M/s. ADVANCE TECH CONTROLS PVT LTD ADVANCE TECH CONTROLS PVT LTD 83/A GIDC RAMANGAMDI POR, VADODARA, VADODARA, PIN - 391243		OFFICE SEAL GENERAL MANAGER DISTRICT INDUSTRIES CENTER, VADODARA.	
Copy to : 1) Director, Small Industries Service Institute, Hanshidhri Chamber, 4th Floor, Income tax circle, Ashram Road, Ahmedabad-380014			

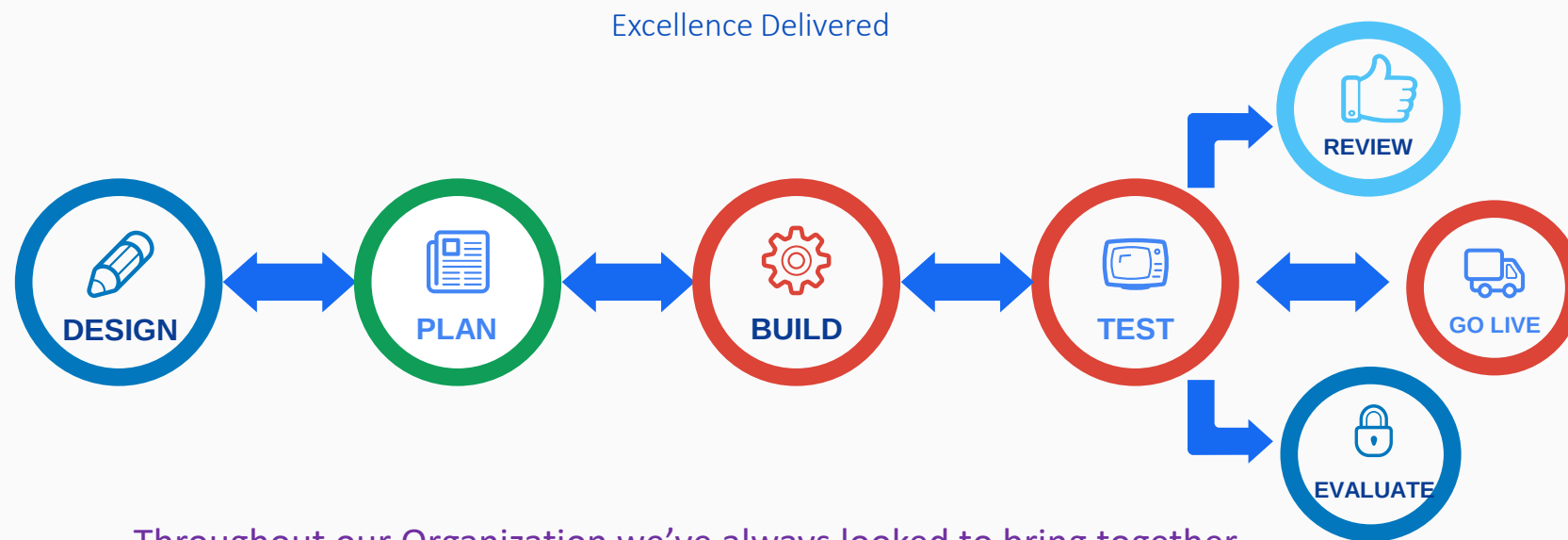
SOFTWARE TEAMS AND CAPABILITIES

- SCADA ,OPC
- GUI Development
- Enterprise Integration
- Business Intelligence
- Mobility Services
- MIS Reports
- Application Development
- Cloud Enablement
- IIOT
- Driver Development
- Q A and Testing services
- Analytics AI & ML
- Third Party Integration Services



DOS, VxWorks , Linux, Windows,
VB,C and C++ ,Node JS, Mongo Db, R
Android Mobile Apps
Microsoft .Net, NoSQL, SQL,SharePoint
Java, Core Java , Azure and other Development platforms





Throughout our Organization we've always looked to bring together the right skills and knowledge to support our technology development, network growth and customer service. With experience that goes beyond the telecoms and IT industry our group of software professionals are focused on bringing to market the latest.



Desktop



Web



Tablet

Client
Technologies



Mobile



Watch



Wearables



AssetWorX



EarthWorX



AlarmWorX64



GraphWorX64



Hyper
Historian

Application
Servers



TrendWorX64



GridWorX



FDDWorX



ScheduleWorX



Add-ons

Platform Services



FrameWorX
Server



System Health
Monitoring



Security



Unified Data
Manager



Commanding



Load
Balancing



Workflow



IoT



Global
Aliasing



Language
Aliasing



Pack
and Go



Redundancy



Modbus

Universal
Connectivity



SNMP



Databases



Web Services

Enterprise Layer (Third Party)	ERP ➤ Microsoft Dynamics ➤ Oracle ➤ SAP	Work Flow ➤ Microsoft Dynamics ➤ Salesforce ➤ BPM ➤ Document Management ➤ SAP	Reporting ➤ Device-level analysis ➤ Lost energy analysis ➤ Tracker angles ➤ Rate schedules ➤ Power BI	Forecasting ➤ Energy Yield ➤ Weather ➤ Power forecasting
Application layer	Plant Monitoring: ➤ Visualization – Geo SCADA ➤ Heat Maps ➤ Live Camera Feed ➤ 3D Graphics Fault Monitoring: ➤ Fault detection & Diagnostics ➤ Alarming and Alerts Asset Monitoring: ➤ Asset Tree Creation ➤ Live Asset status	Maintenance: ➤ Field services ➤ Ticketing system ➤ Preventive Maintenance Scheduling Inspection Scheduling: ➤ Task scheduling	Data Analytics: ➤ Advance Energy Analytics ➤ Alarm Analytics ➤ KPI Analysis ➤ Role based Dashboard ➤ Real time Trending Generation Monitoring: ➤ Real Time Power generation Monitoring	Historical data: ➤ Historical Trending ➤ Decision Making Weather data: ➤ Integration with database ➤ Historical Trending
Database Layer	Database: ➤ Real-time database connectivity ➤ Cloud ➤ Internet ➤ OPC Servers			
Infrastructure Layer	Gateway ➤ AMQP & MQTT Sensors ➤ Temperature sensors			

Visualization



Transform your industrial control system with the most advanced HMI/SCADA software and visualization platform, providing the greatest performance, reliability, and flexibility for operators, engineers, and executives to manage their enterprise. Experience the power of situational awareness with unified, real-time, historical, and alarm information for any manufacturing, energy, industrial, or building automation application by using distributed Geo-SCADA 2D and 3D dashboards.

IoT Solution

IoTWorX™ combines ICONICS' cutting-edge IoT software technology with its proven HMI/SCADA, analytics, and mobile solutions running in the cloud. ICONICS offers manufacturers and facility managers several key IoT technologies, including connectivity to assets, secure cloud communications, and built-in real-time visualization. Analytics at the edge result in minimized latency while leveraging FDD technology to significantly reduce costs and improve operational efficiency. Users can connect to virtually any automation equipment through supported industry protocols such as OPC UA, BACnet, SNMP, Modbus, web services, and classic OPC tunneling.



Data Historian



ICONICS' Hyper Historian™ is an advanced 64-bit high-speed, reliable, and robust historian. Designed for the most mission-critical applications, Hyper Historian's advanced high compression algorithm delivers unparalleled performance with very efficient use of resources. Hyper Historian integrates with the latest big data technologies, including Azure SQL, Microsoft Data Lakes, Kafka, and Hadoop. This makes Hyper Historian the most efficient and secure real-time plant historian for any Microsoft operating system.

Data Historian



ICONICS' Hyper Historian™ is an advanced 64-bit high-speed, reliable, and robust historian. Designed for the most mission-critical applications, Hyper Historian's advanced high compression algorithm delivers unparalleled performance with very efficient use of resources. Hyper Historian integrates with the latest big data technologies, including Azure SQL, Microsoft Data Lakes, Kafka, and Hadoop. This makes Hyper Historian the most efficient and secure real-time plant historian for any Microsoft operating system.

Mobility

MobileHMI is an enterprise mobile application that runs on hundreds of different phones and tablets and can scale to thousands of devices. MobileHMI delivers real-time rich visualization, historical trends, and alarm notifications without compromising security. MobileHMI addresses the growing need for connectivity away from operator stations, allowing personnel to monitor and control from anywhere. The consistent user experience across any device enables teams to mobilize without requiring any upfront investment in device standardization.



Analytics



Analytics software solutions transform large amount of real-time data, such as that from manufacturing or facility operations) into Actionable Intelligence. These products drive improvement in productivity, efficiency, quality, and sustainability. Enterprise analytics solutions can be applied to solve common business intelligence (BI) challenges. For example, both expert systems and machine learning can be applied to Big Data, leading to visualization and reporting solutions for energy optimization, fault detection and diagnostics, predictive maintenance, SPC quality control, and equipment efficiency. ICONICS provides a suite of analytics solutions that leverages these technologies, providing immediate benefits for any application.

Industrial Embedded Software Solution

IoT Gateway , Middleware , Analytics , Dashboards

Industrial IOT Gateway with I/O

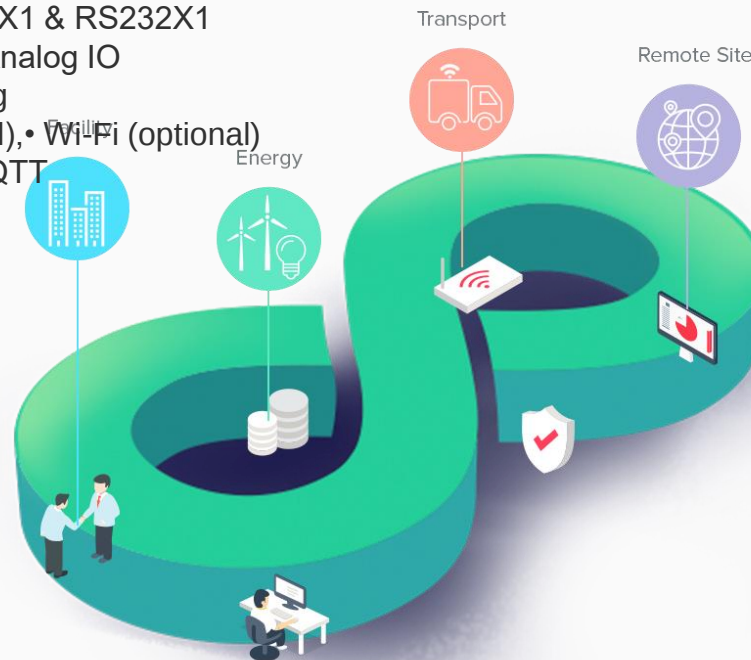


Key Features

- NXP ARM CortexTM-A5 Or CortexTM-A7 SoC
- Onboard RAM and Flash
- Ethernet 10/100 X 2
- Isolated RS485X1 & RS232X1
- Digital IO and Analog IO
- Fanless Cooling
- 2G/3G (optional), • Wi-Fi (optional)
- Modbus RT, MQTT

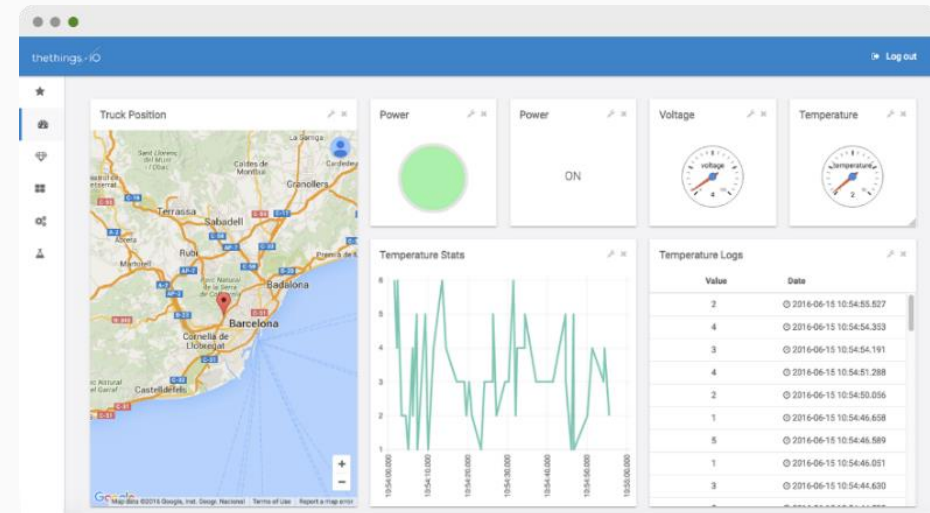
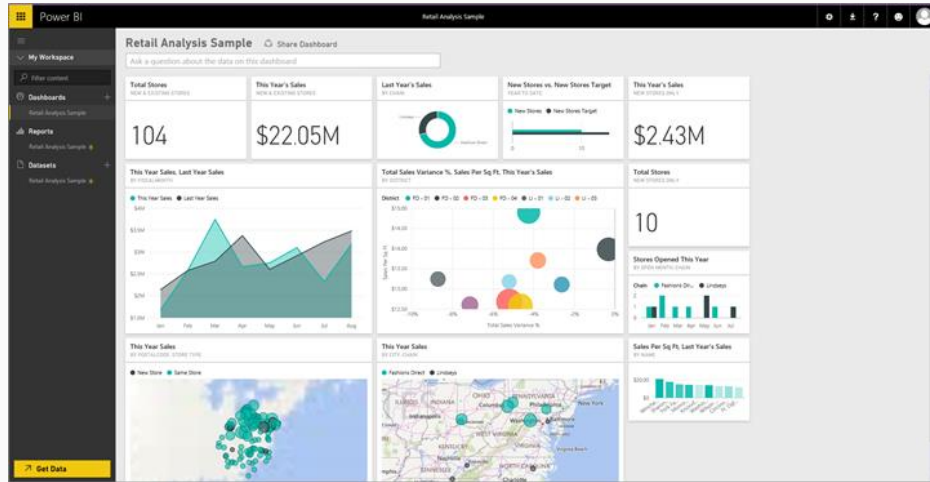
Key Industry Applications

- Factory Automation
- Automotive
- Food & Beverage
- Oil & Gas
- Energy and Power Utilities
- Wind and Solar
- Building Automation



SCADA , MIS , Analytics and IIOT

- Integrated solution with Hardware Networking
- Documentation
- Trunkey project
- Alarm Analytics
- Historian



A cloud-based business analytics service that gives you a single view of your most critical business data. Monitor the health of your business using a live dashboard, create rich interactive reports

DATA MONITORING & VISUALIZATION

Create custom IoT dashboards to monitor in real-time your customers behavior and product statuses.

ANALYTICS, AI, PREDICTIVE & OTHER TOOLS

Analyze your data and get insights to take smarter actions and improve your products with Artificial Intelligence and Machine Learning techniques such as predictive maintenance, assets management among other. Export your data, give access to your employees or end customers among other options



Consultancy

Effective SCADA planning requires Experience, Strategic Direction, Domain Expertise and Technology Correlation.

We provide our expertise

- Smart City
- Smart Factory
- Digital transformation
- Carbon Footprint
- Compliances in Pharma , 21 CFR
- Water and Wastewater management

Training

Our Training center facility is well organized to conduct training for more than 20 engineers at same time.

Every successful implementation require "optimised engineering". Our experts provide training to partners and customers to enhance their skills. The training session covers Hardware interface protocol, Graphic experience, Analytics, Dashboards and Database management based on requirements.

Online – Web sessions customized on request OR Standard sessions

Onsite – Training at customer location



- Keeps you Ahead....



Project Management

- PMP – System Architecture , Block diagram and Gantt Charts.
- System Requirements , Functional Specification and Engineering Mfg Specification
- General Arrangement Drawing ,Cabinet/Panel Drawing – Wiring, Mounting & Installation documents, Operating Manuals , Installation Manuals ,
- Acceptance Test Built and Final Site documents

Design Engineering

- Design Documents for Instrumentation, SCADA and MIS.
- Embedded & Control System Design
- Control Logics, Flow Charts & Software Development
- Graphics Design for SCADA and GUI Tools
- MIS reports documents, KPI and Analysis Tools engineering
- Hardware and Networking engineering services for Integration



- Keeps you Ahead....



Global Support

Our Global Support and Services programs are supported by our offices around the globe along with our network of sales channel distributors and representatives, with local and regional locations for frontline service

- Pre installation, Pre Check of Site and Site visits
- Field Acceptance Test & Installation Reports
- Local First level Service Diagnostics , Preliminary repair and Second level RMA/Repair/Replacement
- Online ERP based Support & Services - Ticket no & Tracking of support tickets for Global customers
- Local Repair /RMA depot with RMA services for Warranty & Non Warranty supply in EMEA region

Support Services 24X7

Our experienced technical team are available to extend support services to end users to ensure maximum uptime, quality and performance of their plants and systems.

The Support services offered are Annual Maintenance Agreement and "On call" Service. The services can be:

Online – support end user by remote access of their systems

Onsite – Engineers visit on site

- Keeps you Ahead....



Visit our Website <https://advancetech.in/>

STAY CONNECTED!

Join our Social Network and
stay in touch for latest updates!

Like Follow & Share



Share Document - Send PDF | Home - www.advancetech.in | Microsoft Office Home | Mail - Pradip Kulkarni - Outlook | Mail - Pradip Kulkarni - Outlook | Education and Research - MIT | Smart Energy AnalytIX - Product | screenshot mac - Google Search | IOT Hardware - ICONICS India

advancetech.in

advancetech
KEEPS YOU AHEAD

Search For Products and Solution

HOME | EDUCATION & RESEARCH | INDUSTRIAL AUTOMATION | RADIATION MEASUREMENT | DEFENCE & AEROSPACE | BANKING & ENTERPRISE | SCADA & ANALYTICS | CONTACT | INDUSTRY SOLUTIONS

DIGITAL TRANSFORMATION HELPING INDUSTRIES WITH AUTOMATION

Transportation and Automotive

Wind and Solar Energy

Radiation Research and Energy

Chemical, Cement, Glass, Ceramic, Steel & Aluminium

Defence & Aerospace

Oil and Gas

Education and Engineering Teaching

Data Centers, Banking and Trading Room

Pharma Food and Beverage

Infrastructure and Public Safety

OEM

Water and Waste Water

Contact Us

<https://www.advancetech.in/industry-solutions#radiation>