BACSOFT IOT PLATFORM
A COMPLETE SOLUTION FOR ADVANCED IOT AND M2M APPLICATIONS

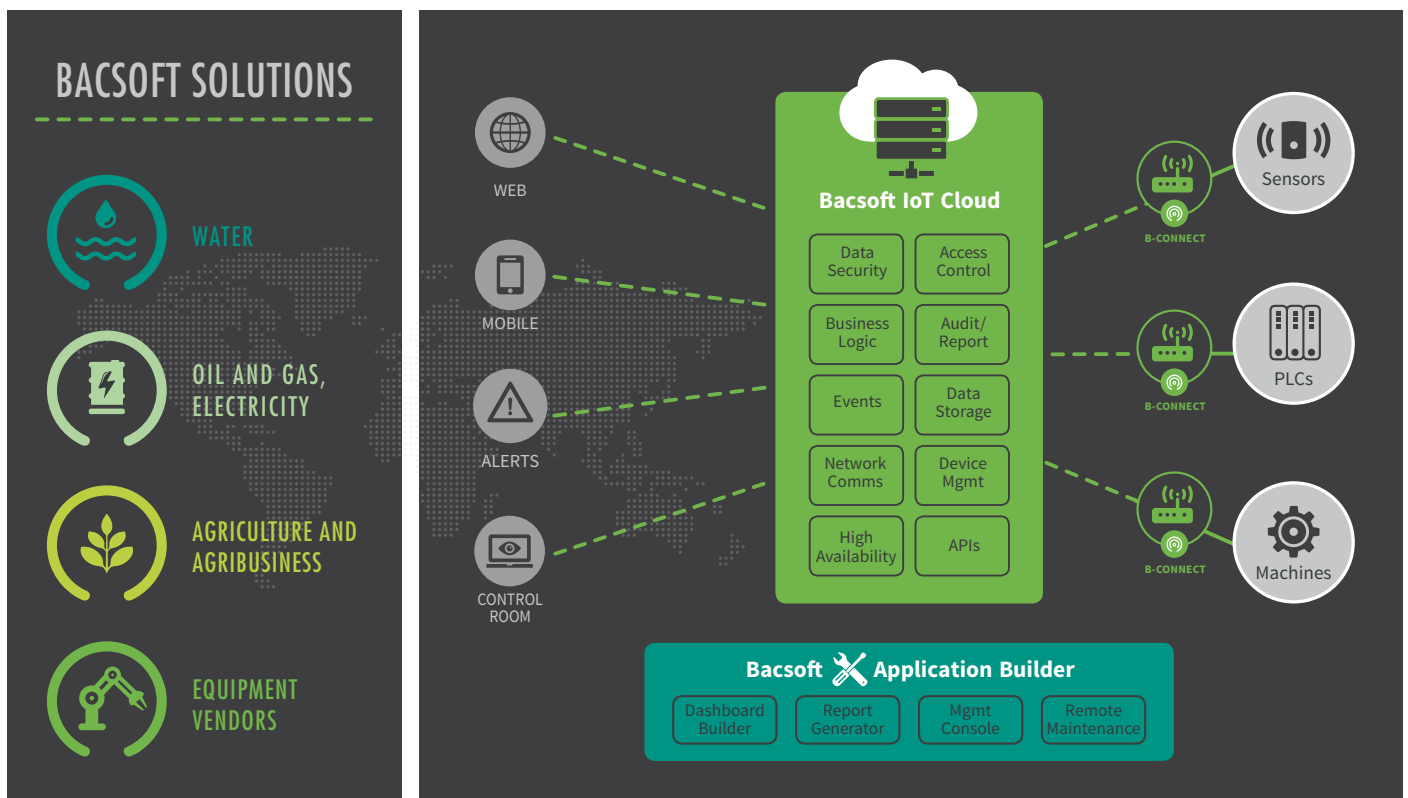✔ ROBUST REMOTE CONNECTIVITY ✔ RAPID APPLICATION DEVELOPMENT ✔ LOW TOTAL COST OF OWNERSHIP

INDUSTRIAL IOT – FROM VISION TO REALITY

The Internet of Things offers an unprecedented opportunity for businesses to take control of their operations. Companies can now connect distributed infrastructure to the cloud, equipping managers with web and mobile applications that can monitor and respond to changing conditions anytime and anywhere. The result is less downtime and waste, optimized processes, and lower maintenance costs.

At the same time, there are many challenges on the way to transitioning existing businesses to IoT. Most companies have significant investments in older infrastructure that is not physically connected to the Internet. Their employees are experts in their field, rather than in IoT and M2M technologies. Companies need a simple, cost-effective solution that will transform their business without overwhelming their current operation.

A COMPLETE SOLUTION FOR REMOTE MONITORING AND CONTROL

The Bacsoft platform is an end-to-end solution for building and managing advanced IoT and M2M applications. Using Bacsoft, companies can rapidly connect their legacy infrastructure to the industrial internet and build applications to remotely monitor and control their operations. Bacsoft reduces the complexity of IoT projects with a combination of robust and reliable remote connectivity, simple and rapid application development, and scalable cloud services.

BACSOFT SOLUTIONS

WATER

OIL AND GAS, ELECTRICITY

AGRICULTURE AND AGRIBUSINESS

EQUIPMENT VENDORS

WEB

MOBILE

ALERTS

CONTROL ROOM

Bacsoft IoT Cloud

Data Security	Access Control
Business Logic	Audit/ Report
Events	Data Storage
Network Comms	Device Mgmt
High Availability	APIs

Sensors
B-CONNECT

PLCs
B-CONNECT

Machines
B-CONNECT

Bacsoft Application Builder

Dashboard Builder | Report Generator | Mgmt Console | Remote Maintenance

BACSOFT IOT PLATFORM FEATURES

B-Connect - M2M Smart Communications Controllers

- A family of products designed for a variety of networks and conditions
- Plug and play connectivity for any device, PLC or sensor
- Supports all protocols: Modbus, proprietary ASCII and binary
- Intelligent, bi-directional cellular communications
- Reduces bandwidth requirements, ensures security
- Handles poor conditions with self-recovery and offline logging mode
- Battery operated for off-grid locations

THE BACSOFT ADVANTAGE

- RAPID DEVELOPMENT AND DEPLOYMENT ON TIME & ON BUDGET
- COMPLETE SOLUTION
- RELIABLE & SCALABLE REMOTE CONNECTIVITY
- LOW TOTAL COST OF OWNERSHIP
- SIMPLE TO MANAGE AND MAINTAIN
- OUT OF THE BOX INTEGRATION WITH A WIDE VARIETY OF REMOTE SENSORS, CONTROLLERS AND DEVICES
- PROVEN RESULTS AROUND THE GLOBE

Customizable Web, Mobile and SCADA apps

- Code-free customization with Bacsoft Application Builder
- Support for Android, iOS and Windows Phone
- Integration with any SCADA via OPC/Modbus TCP
- Alerts and alarms via email & SMS
- Business intelligence: Charts, graphs and maps to visualize data and trends
- Real-time events and historical data

Bacsoft IoT Cloud Server

- All application and communication services in a multi-domain, scalable cloud platform
- Security: SSL encryption, access control, auditing
- Flexible data storage
- Powerful, event-driven business logic
- Robust network and device management
- Integration: SOAP Web API, Modbus TCP & OPC for SCADA

Management and Maintenance

- Intuitive management console
- Setup and management of remote devices
- Communication parameters and cellular operators
- User authorizations
- Remote maintenance
- Over the Air (OTA) software upgrades
- Diagnostics and troubleshooting

bacsoft