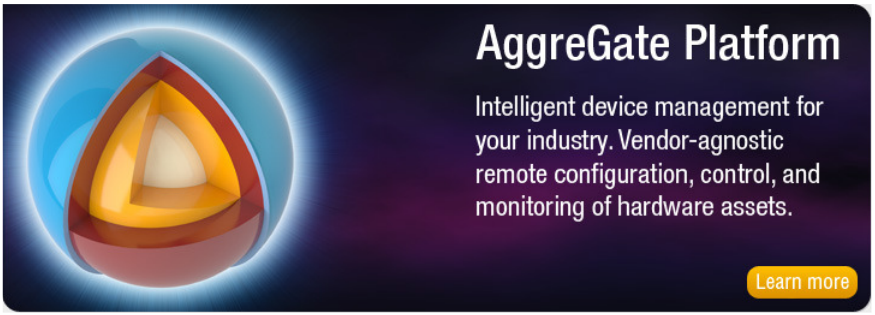
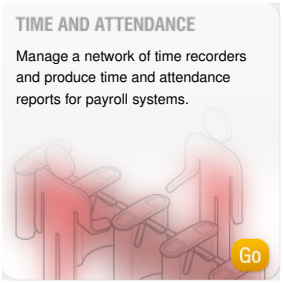
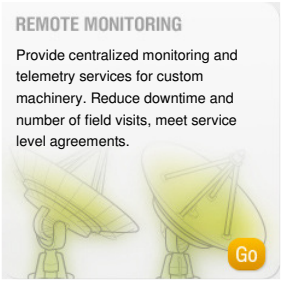
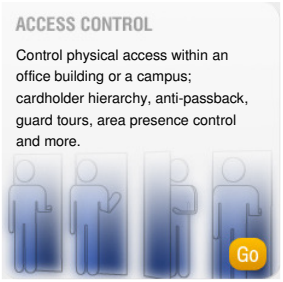


Tibbo AggreGate is a **multi-industry device management platform** that employs modern M2M technologies to control, configure and monitor different electronic devices. It also helps you to aggregate device data into a common database, where you can "slice and dice" it according to your needs, as well as let other enterprise applications transparently access it.







AggreGate Device Management Platform

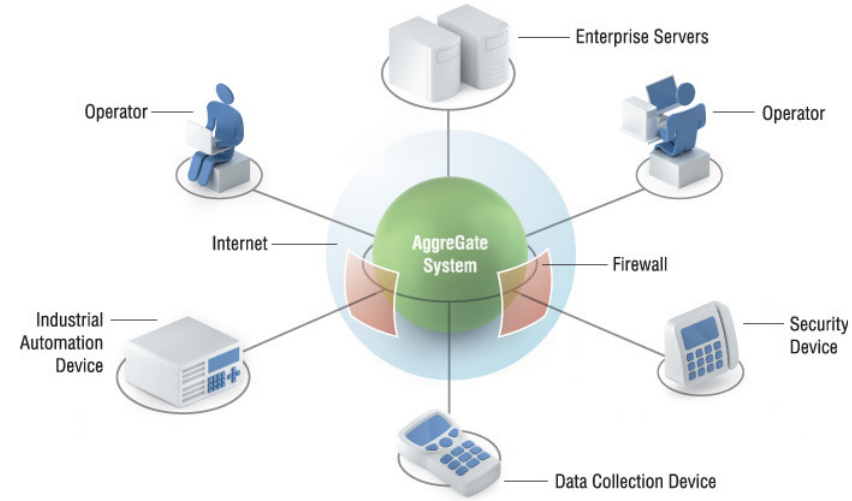
AggreGate saves costs and simplifies setup when trying to create a large network of devices and computers which are spread over a local network or the Internet. It introduces new concepts in M2M (Machine-2-Machine) technology. AggreGate provides a rich set of features for managing/monitoring device networks, processing data, and integration with other enterprise systems using open-source APIs. The core components are Java-based and may be deployed on most present-day hardware and operating systems.

Vertical Market Solutions

AggreGate helps many different industries and companies to benefit from direct management of large legacy device networks or connecting them to the enterprise systems. Solutions based on AggreGate platform include:

- Network Monitoring and Management
- SCADA/HMI and Process Automation
- Access Control
- Time and Attendance
- Building Automation
- Remote Monitoring
- Fleet Management
- Vending Machines and Self-Service Kiosks
- Sensor Networks
- Automatic Meter Reading
- People/Vehicle Counting
- Event Management and Data Logging
- Digital Signage
- GSM/CDMA Mobile Device Management
- Home Automation
- And more

AggreGate Platform is widely used for building custom solutions for many industries including Manufacturing, Transportation and Logistics, Oil and Gas, Utilities and Energy, Information Technology, Telecommunications, Semiconductor, Medical, Life Sciences, Laboratory Equipment, Retail, and Homeland Security.



AggreGating Your Devices

Connecting your devices to the system is easy and cost-effective. Any existing device may work with AggreGate regardless of its communication protocol even if it's not network-enabled. You can bridge your existing devices into the system using a programmable controller (such as Tibbo's DS1000 BASIC-programmable Industrial Controller or EM1202 Embedded Module), by implementing AggreGate communication protocol in your own device, or by protocol conversion via software device drivers. For new designs, the programmable controller can be built directly into the product.

Devices that use standard automation, control and monitoring protocols (such as **OPC**, **Modbus**, **BACNet**, **SNMP** etc.) are supported directly, no software/hardware protocol conversion is required. See connectivity section for more information.