Teledyne Brown Engineering (TBE) has over 3 decades of experience in systems integration through software design. TBE has used its experience and expertise in software architecture and engineering to provide advanced integrated systems. TBE has extensive understanding and full life cycle capabilities that include system design, build, integration, testing, and operations in marine, environmental, energy, medical, transportation, and space applications. By using our existing proficiencies in these areas combined with software engineering expertise and principles from over 60 years of work, TBE produces unique Industrial Internet of Things (IoT) integrated systems for any customer application.

In order to provide unique, advanced integrated mission critical systems for almost any application with reduced development time and cost to the customer, TBE employs advanced open architecture and design techniques and patterns that are reusable across multiple domains. This suite of software and hardware components and technologies enables the rapid, cost-effective development of systems that include three core pieces of any integrated system: Users, Devices, and Data Centers.

To accomplish this, several key attributes define our capabilities:

- Publish-subscribe and/or client-server technologies as required for both robust and constrained devices and networks. This provides easy integration of devices such as:
  - Medical devices
  - Environmental sensors
- Geospatial sensors
- Visual and hyperspectral sensors
- Biometric sensors
- Unmanned vehicles
- As well as flexible integration of new or existing software components such as:
  - Analytical data and visualization tools
  - Command and Control systems
  - Data sources such as RDBMS, Unstructured data, Distributed file systems, Hierarchical storage management
- Commodity infrastructure supported to include:
  - High-performance computers
  - Desktops
  - Laptops
  - Mobile devices
  - Ethernet
  - 3G/4G
  - WiFi
  - Bluetooth
  - Zigbee
  - NFC
  - RFID
  - Windows
  - Linux
  - Android
  - iOS
- Human Machine Interfaces to match desired usage/role
  - Browser-based
  - Eclipse-based
  - Custom application
For more information, contact our Business Development staff at:
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