Heat Exchanger Performance Monitoring & Predictive Analytics



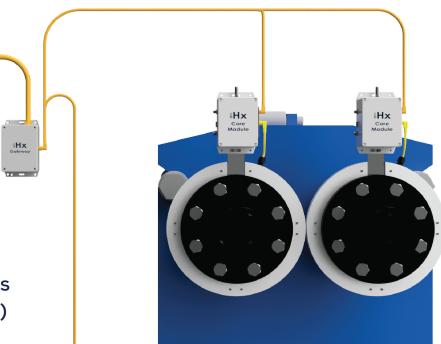
#### Cloud Enabled | Easy to Install Hardware | Flexible Configurations

The Hx System is a versatile solution of sensors & electronics that offers remote & real-time performance monitoring & predictive analytics for heat exchangers.

- Real-time data dashboard
- Predict performance changes based on past & current data
- Flexible connectivity (Wired or Wireless)
- Power w/battery or DC wall adapter
- Adaptable w/existing plant instrumentation
- May be optioned with additional flowmeters
- Eliminate process downtime w/wafer flange or clamp-on sensor mounts for seamless installs/removals

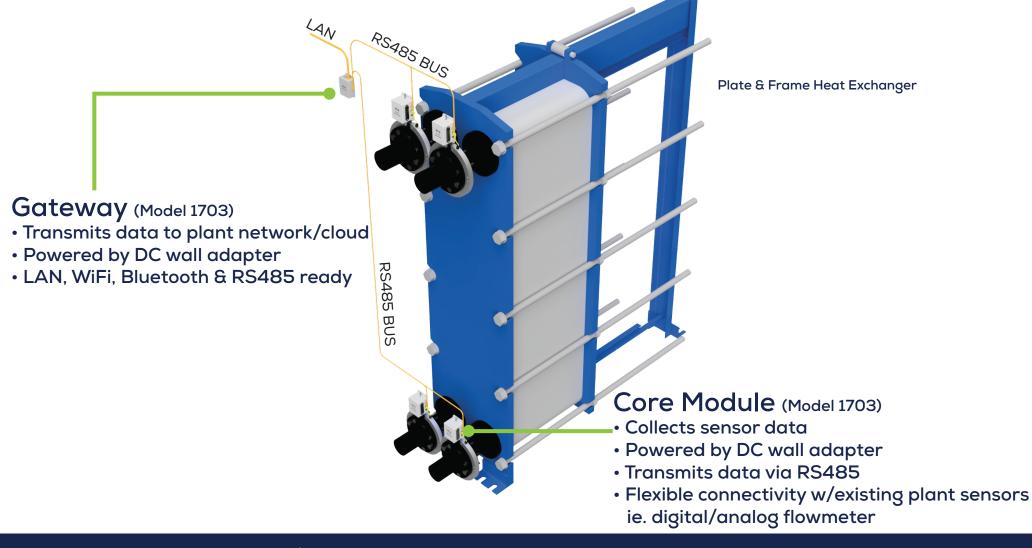
#### Measurable Parameters

% Change in Relative Performances | Heat Transfer Rates Thermal Efficiencies | Log Mean Temp. Difference (LMTD) Fouling Factors (flowrate data required) | User Defined KPIs



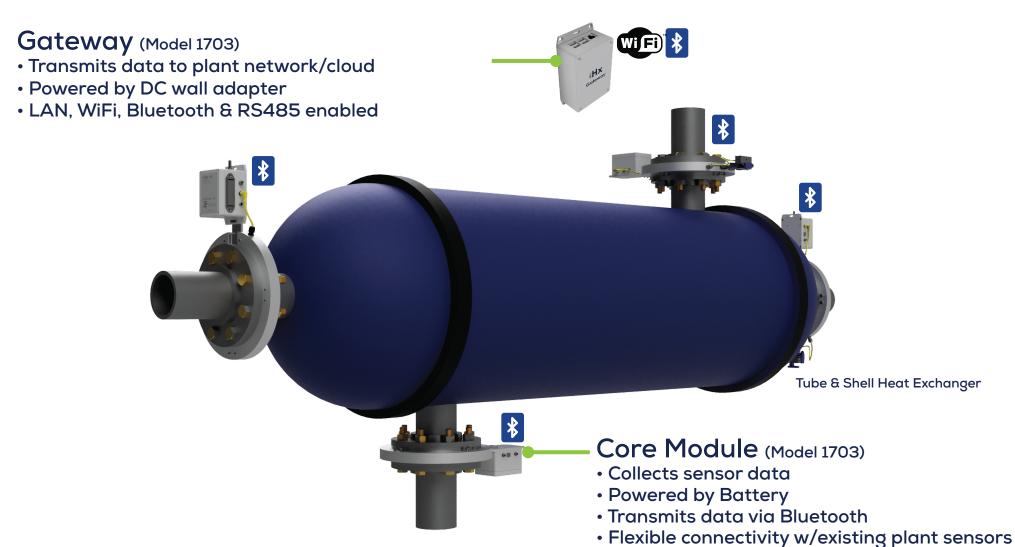
### **Typical Wired Configuration**





### **Typical Wireless Configuration**

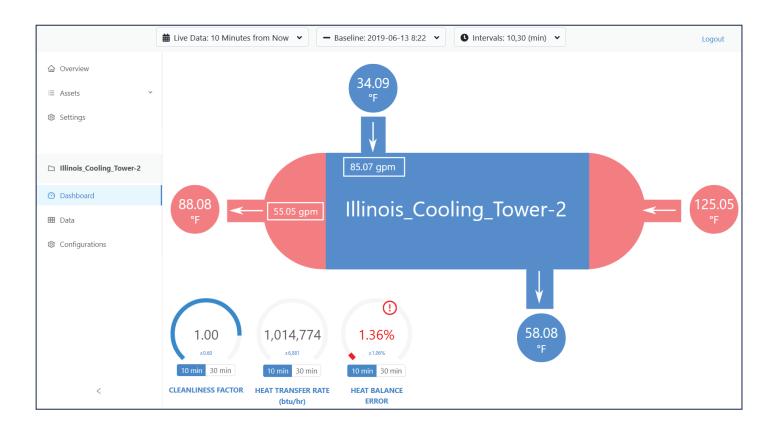




ie. digital/analog flowmeter

#### Software Dashboard





- Intuitive design
- Customizable to suit user needs
  - Configurable alerts & alarms