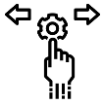
Alessandro Agnello PhD | Founder / CEO
Disabled Veteran-Owned Business 617.936.9800 | aagnello@truedataops.com

Brief Introduction of True Data Ops



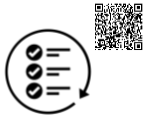
Ask Your Building a Question™

Predictive Maintenance

IoT

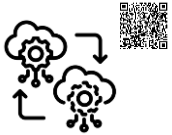
Energy Management

BMS/BAS Integration



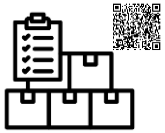
CMMS / Work Order(s)

Asset Management



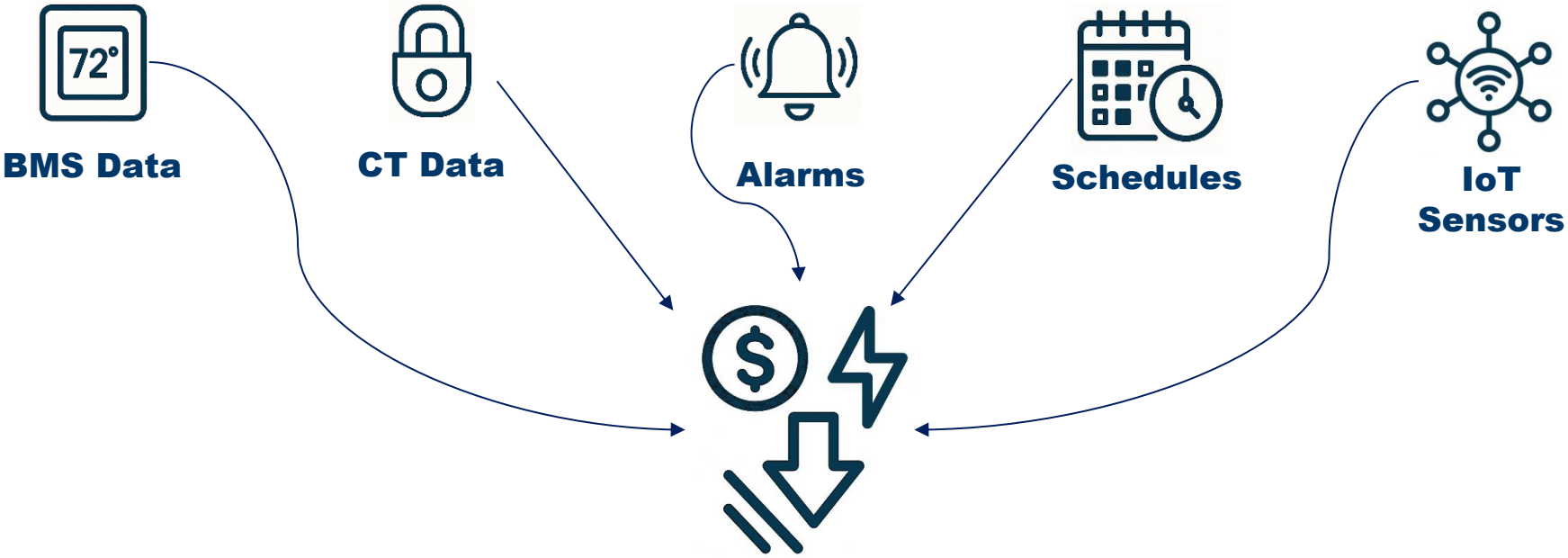
Digital Twin

TDO – Vision (Real-time Analytics)

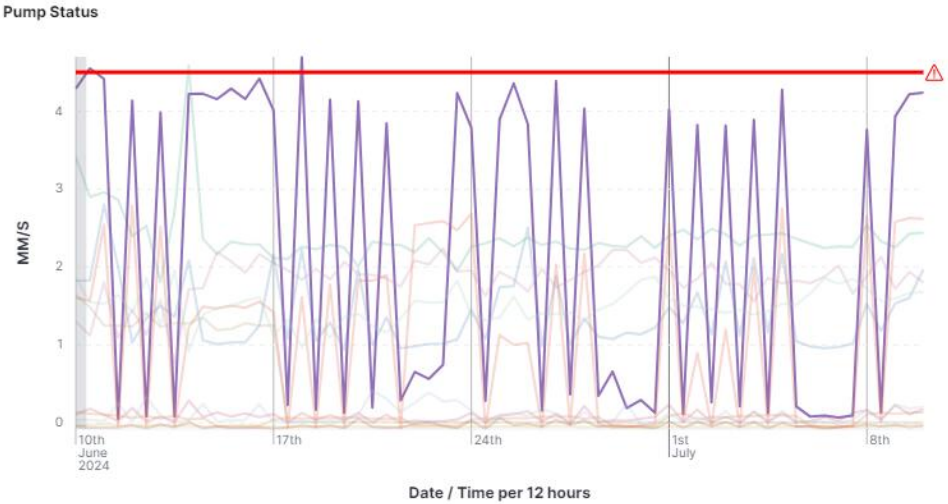


Inventory Management

Optimizing Energy Usage

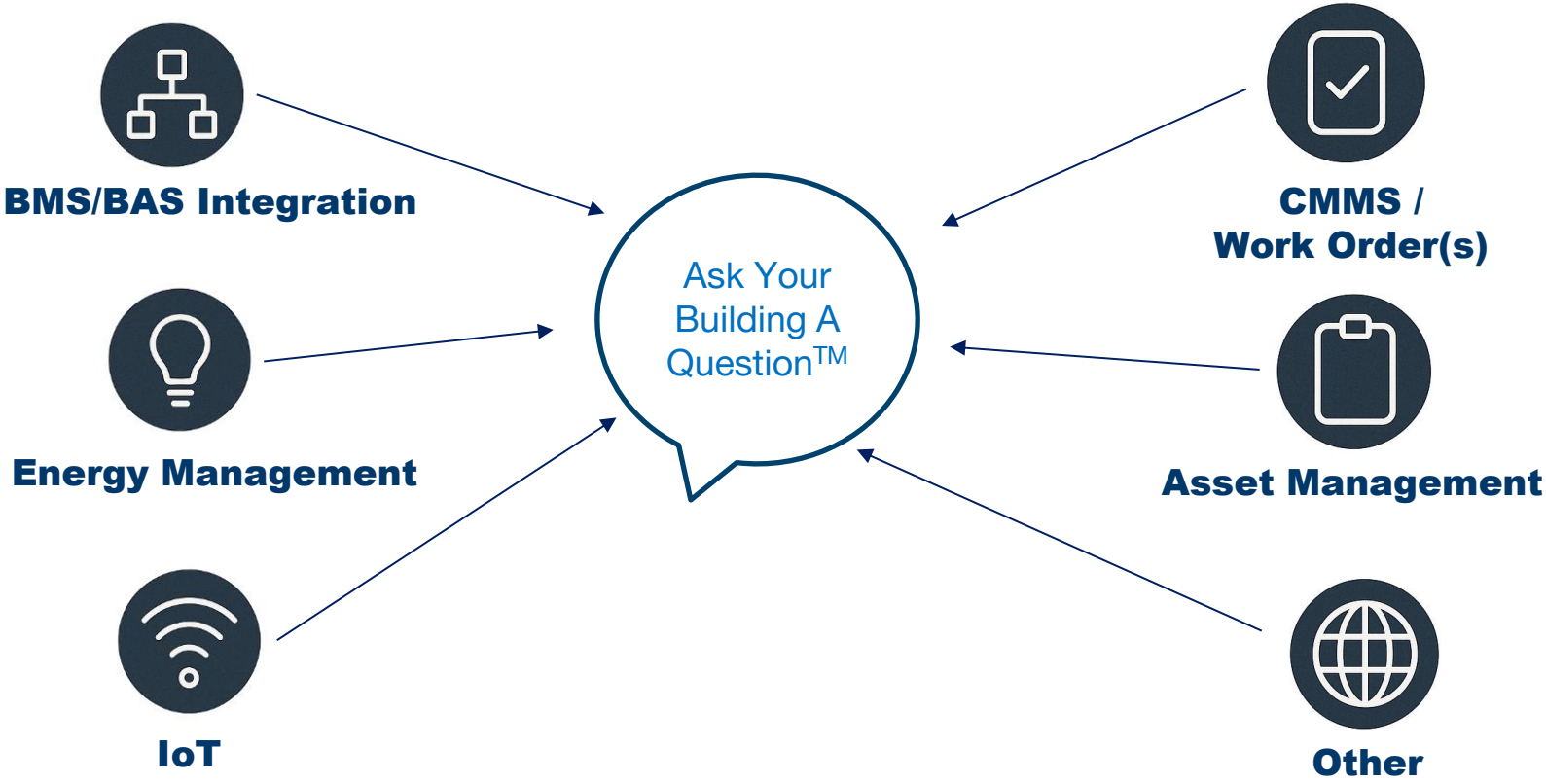


The Need for Predicative Maintenance



Example fault conditions	Blades hitting Ingested object Struck by moving object Improper sequence timeing	Misalignment Unbalance Belt issues Loose footing Structural issues	Failing bearing Rubbing impeller Dragging blade Cavitation	Damaging condition Instability	Loss of lubrication Loss of coolant flow Electrical issues Excessive load
Fault category	**Impact** Crashes Striking	**Fatigue** Mechanical issues Assembly issues	**Friction** Rubbing Grinding	**Severity** Uncontrolled forces Impulses	**Temperature** Over heating
Sensor measurement	Acceleration peak (a-Peak)	Average velocity (v-RMS)	Average acceleration (a-RMS)	Crest factor (a-Peak / a-RMS)	Degrees Celsius (C)

Ask Your Building a Question™



LIVE DEMO

Questions and Answers

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