



RELIABLE SENSORS. COOLER DATA.

Liquid cooling is the future of data centers—and sensors make it possible. TE Connectivity delivers real-time pressure, temperature, and liquid level monitoring to keep systems efficient, reliable, and ready to scale.

THE PROBLEM

AIR COOLING HAS HIT ITS LIMIT...

- Rising AI & HPC heat loads
- Energy waste
- Limited scalability
- Increased downtime risk



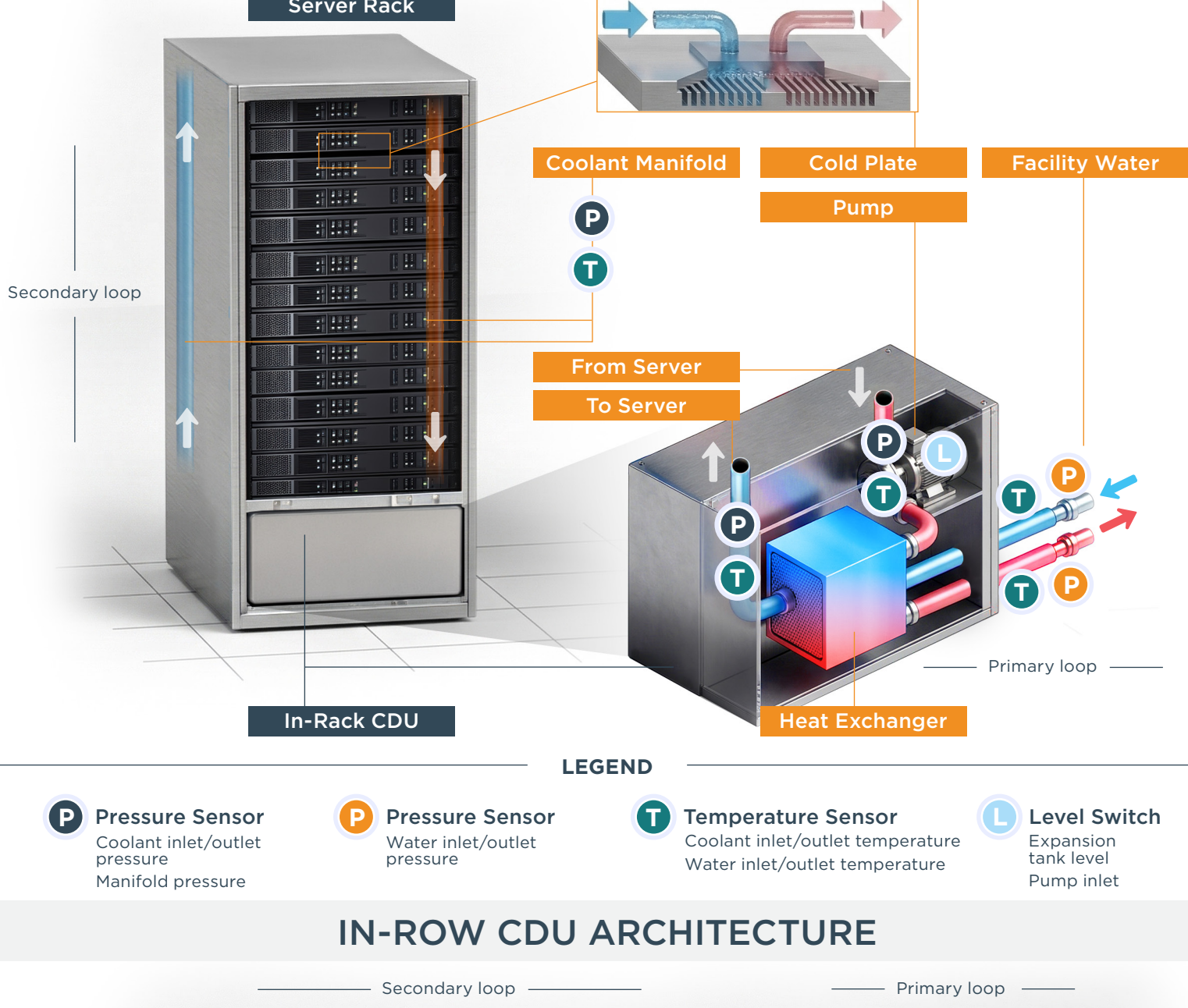
THE SHIFT

LIQUID COOLING IS THE NEW STANDARD

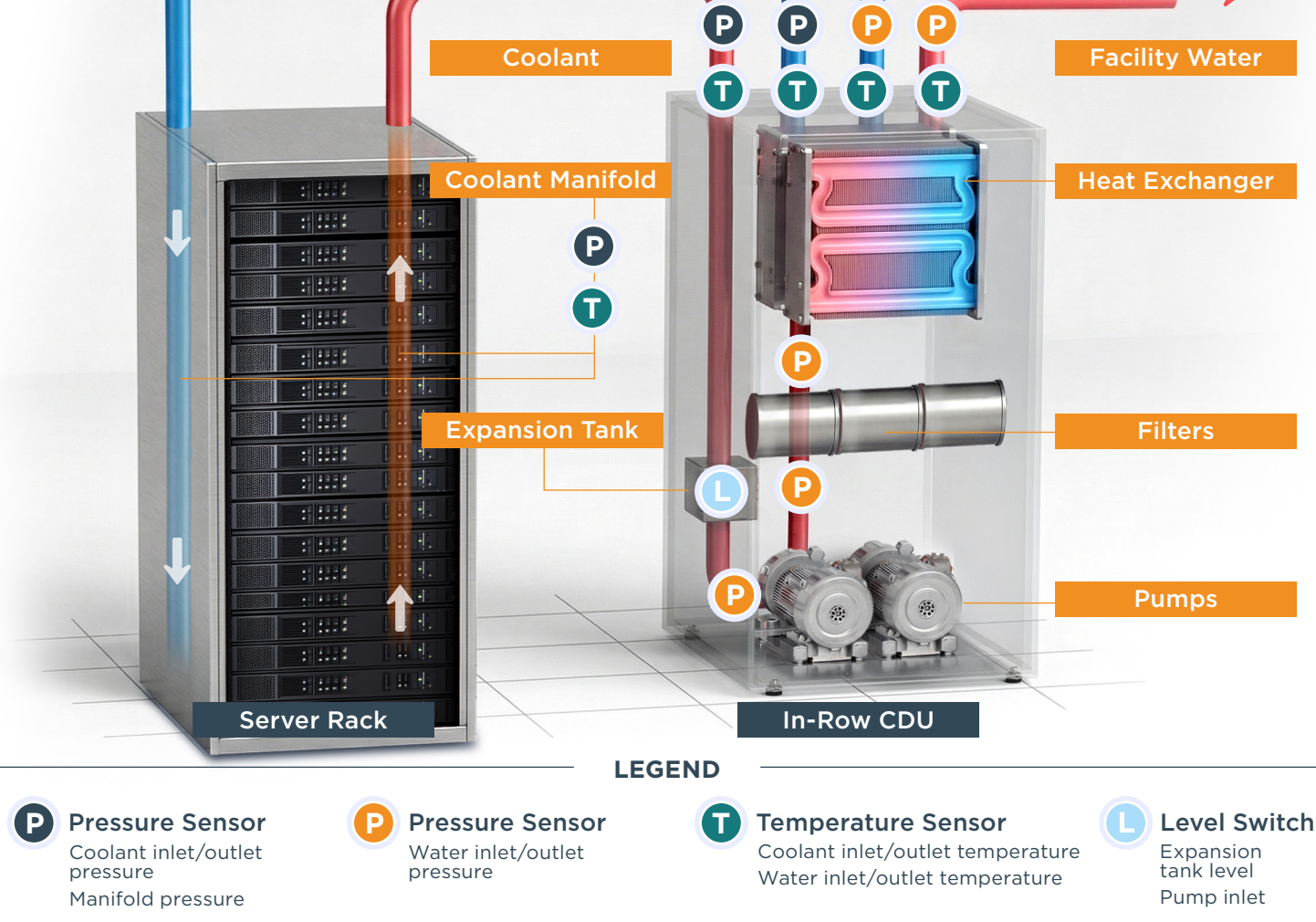
- Up to 50% energy reduction
- Higher rack density
- Future-ready Infrastructure

TE SENSORS PROVIDE PRECISION MONITORING, SYSTEM-WIDE

IN-RACK CDU ARCHITECTURE



IN-ROW CDU ARCHITECTURE



SENSOR PORTFOLIO

M3200 Series Pressure Transducer

with analog or digital output, suitable for measurement of liquid or gas pressure, even for difficult media such as contaminated water, steam, and mildly corrosive fluids, in a compact, price optimized design.



[PRODUCT SPECS >](#)

M5200 Series Pressure Transducer

Suitable for measurement of liquid or gas pressure, even for difficult media such as contaminated water, steam, and mildly corrosive fluids, with a robust construction for heavy industrial UL and CE-compliant applications.



[PRODUCT SPECS >](#)

U7100 Series Pressure Transducer

is a compact, ultra-stable MEMS pressure transducer delivering accurate, durable performance for demanding industrial and liquid cooling applications.



[PRODUCT SPECS >](#)

U5200/5300 Series Pressure Transducer

delivers high accuracy and performance, stable pressure measurement in a compact, rugged design—ideal for liquid cooling and demanding industrial systems.



[PRODUCT SPECS >](#)
(U5200)

[PRODUCT SPECS >](#)
(U5300)

TRP100, TRN100 Series Temperature Probes

Reliable RTD or NTC sensing elements in a stainless steel construction, with threaded options and IP67 rating.



[PRODUCT SPECS >](#)

LL-01 Series Ultrasonic Liquid Level Switch

uses ultrasonic sensing to provide reliable level detection—even in aerated liquids.



[PRODUCT SPECS >](#)

HOW IT WORKS

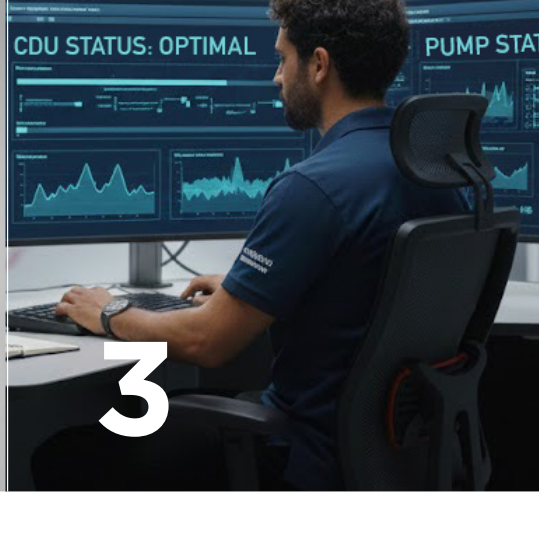
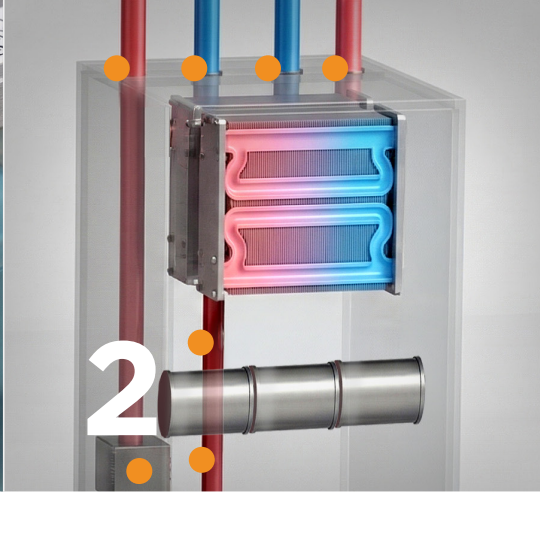
SENSOR DATA



CDU INTEGRATION



INTELLIGENT CONTROL



KEY BENEFITS



SUSTAINABILITY
Reduce Power Consumption



RELIABILITY
Built for Harsh Environments



SCALABILITY
Modular, High-Density Systems



UPTIME PROTECTION
Early Fault Detection

Our sensors provide the real-time insight needed to operate liquid cooling systems with confidence. With proven reliability and seamless integration, they help data centers scale efficiently while protecting uptime.

CONTACT US TO LEARN MORE >