

Ameridrives

Marland Clutch

Stromag

Svendborg Brakes

motionCONNECT **Altra Diagnostic** **Solutions**



How It Works:

Altra motionCONNECT is a single-access IIoT solution offering three levels of integration.

LEVEL 1

Digital and analog sensors are integrated into Altra products commonly used in industrial applications – heavy-duty couplings, clutches, brakes, HPU's and U-joints. Different signal output formats are available for easy integration into field control devices (e.g. PLCs).

LEVEL 2

Data captured from the sensors at Level 1 is analyzed through smart edge computing devices. When acute failure is detected, error messages can be passed on (e.g. via field bus) to local plant control systems, empowering local machine/plant staff to act.

LEVEL 3

Building upon Altra field diagnostics solutions offered at Level 2, customers can upgrade their motionCONNECT solution by harnessing the power of the motionCONNECT Cloud. At Level 3, cloud-based advanced analytics predict upcoming failures based on product data histories. Smart notifications by email empower staff independent of location – on site locally, or remote – to act.



Scan to visit the
motionCONNECT
webpage

ALTRA MOTIONCONNECT IIOT SOLUTION

Altra motionCONNECT connects products from Altra brands Svendborg Brakes, Stromag, Ameridrives, and Marland Clutch to one common cloud platform.

Investing in Altra motionCONNECT Will Help You:

- Distinguish between failures that require immediate attention vs. planned maintenance
- Eradicate root causes for failure
- Reduce unscheduled maintenance and downtime
- Optimize maintenance planning and component lifetime



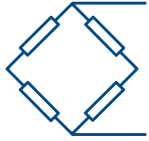
CLOUD
SERVICES



FIELD
DIAGNOSTICS



SENSING AND
DATA CAPTURE



SENSE

Application-specific capturing of relevant information with optimal integration into Power Transmission components



ANALYZE

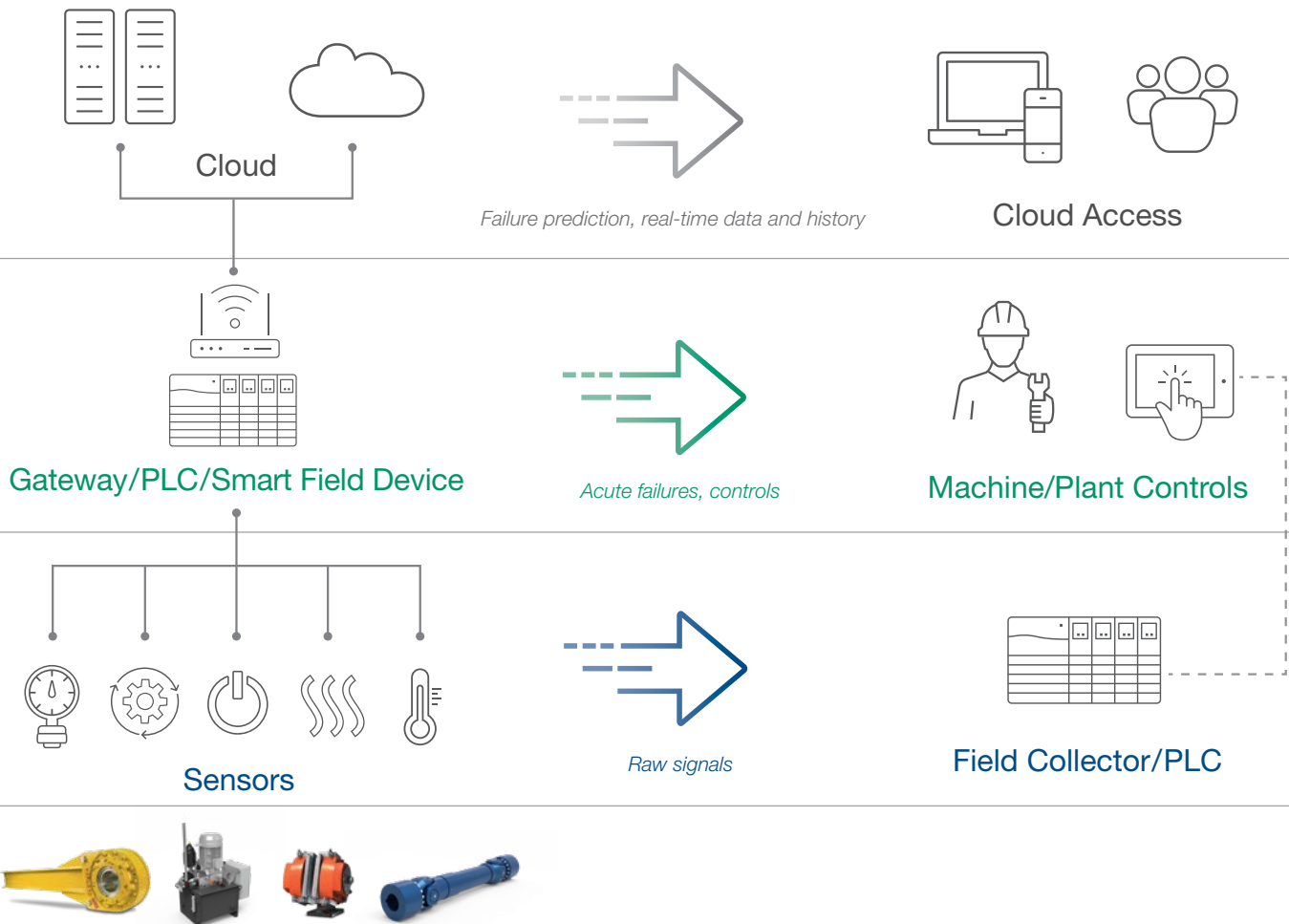
Field diagnostics for local acute failure detection; advanced cloud analytics to predict optimal component maintenance time



ACT

Immediate action following acute failures; optimally scheduled component maintenance aligned with operation objectives

1 Solution, 3 Levels of Integration



A Global Footprint to Support Customers Around the World

★ Altra Headquarters

● Altra Engineering & Service Centers

● Altra Manufacturing Facilities

The Brands of Altra Motion

Couplings

Ameridrives
www.ameridrives.com

Bibby Turboflex
www.bibbyturboflex.com

Guardian Couplings
www.guardiancouplings.com

Huco
www.huco.com

Lamiflex Couplings
www.lamiflexcouplings.com

Stromag
www.stromag.com

TB Wood's
www.tbwoods.com

Linear Systems

Thomson
www.thomsonlinear.com

Geared Cam Limit Switches

Stromag
www.stromag.com

Engineered Bearing Assemblies

Kilian
www.kilianbearings.com

Electric Clutches & Brakes

Matrix
www.matrix-international.com

Stromag
www.stromag.com

Warner Electric
www.warnerelectric.com

Belted Drives

TB Wood's
www.tbwoods.com

Heavy Duty Clutches & Brakes

Twiflex
www.twiflex.com

Stromag
www.stromag.com

Svendborg Brakes
www.svendborg-brakes.com

Wichita Clutch
www.wichitaclutch.com

Gearing & Specialty Components

Bauer Gear Motor
www.bauergears.com

Boston Gear
www.bostongear.com

Delevan
www.delevan.com

Delroyd Worm Gear
www.delroyd.com

Nuttall Gear
www.nuttallgear.com

Precision Motors & Automation

Kollmorgen
www.kollmorgen.com

Miniature Motors

Portescap
www.portescap.com

Overrunning Clutches

Formsprag Clutch
www.formsprag.com

Marland Clutch
www.marland.com

Stieber
www.stieberclutch.com



www.altramotion.com

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