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ifm solutions for conveyor belt protection

Technology for Mining Industry



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ifm solutions for conveyor belt protection

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Why is so important to monitoring the Conveyor belt?

- Protection against accidents with people and machinery via local and remote safety monitoring.
- Reduce complex and expensive wiring with controls and safety networking.
- Ensure optimal product transportation monitoring speed and blockage, as well as belt misalignment.

Which solutions does ifm offer?

We offer heavy duty devices special designed to protect long conveyor belts.
The die-cast housing is robust to survive outdoor use.
Assure safety, uptime and conveyor long-term availability using:

- Pull-rope safety switches and accessories perfectly adapt to different enviromental situations;
- Belt misalignment switches;
- Belt rip and tear sensor;
- Easy safety monitoring and wiring with AS-i and Safety at Work;
- E-Stop with local indication;
- Ultrasonic sensors for correct level detection.



How to protect against accidents with people and machinery?

Safety devices as rope switches and E-Stops from ifm protect both, operators and machinery from potential risks. Highly visible LEDs assure an easy identification, as safety springs prevent rope temperature drift.



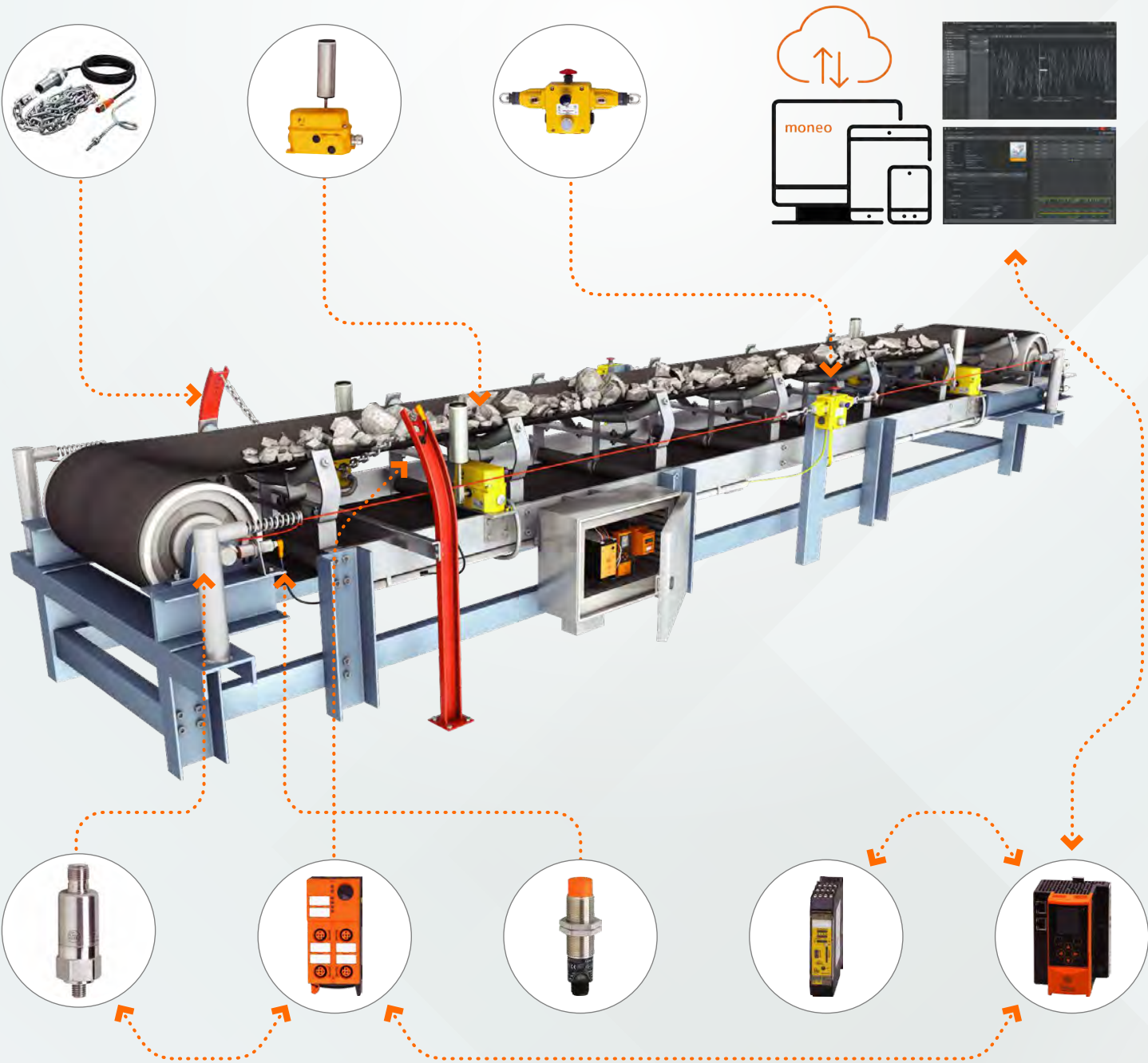
How to reduce complex and expensive wiring?

Long traveling distances of process and safety signals require expensive and bulk wiring. AS-i and Safety at Work minimize installation time and assure cost reduction providing a complete diagnostics for easy maintenance.



How to ensure continuous conveyor operation?

ifm belt misalignment switches promptly detect belt movements, preventing it from breaking or product wasting. Speed monitors measure the right rotation speed to signal possible blockages or slips.



Item	Quantity	Description
ZB0051	2	Safe pull rope switch - dual hand type - LED 24V DC
ZB0057	4	Rope Tension Kit - Stainless Steel - 50m
ZB0061	4	Safety spring - Stainless Steel
ZB0090	4	Belt misalignment switch
ZB0096	3	Belt rip and tear sensor - AC/DC
DI6004	1	Speed monitor
AC1421	1	EtherNet AS-i Master
AC041S	1	Safety at Work Monitor
AC1258	1	AS-i Power Supply
E74200	2	AS-i flat cable - TPE - 100m
E70377	3	FC splitter for AS-i flat cable
AC5224	1	Active AS-i module for speed monitor
EVC018	1	Patch cable for speed monitor - 2m
E70529	4	AS-i pcb for belt misalignment switch
E7015S	2	AS-i pcb for pull rope switch
VTV122	1	Vibration transmitter
E7050S	1	Software ASIMON V3 G2

Application
Package
Suggestion!