



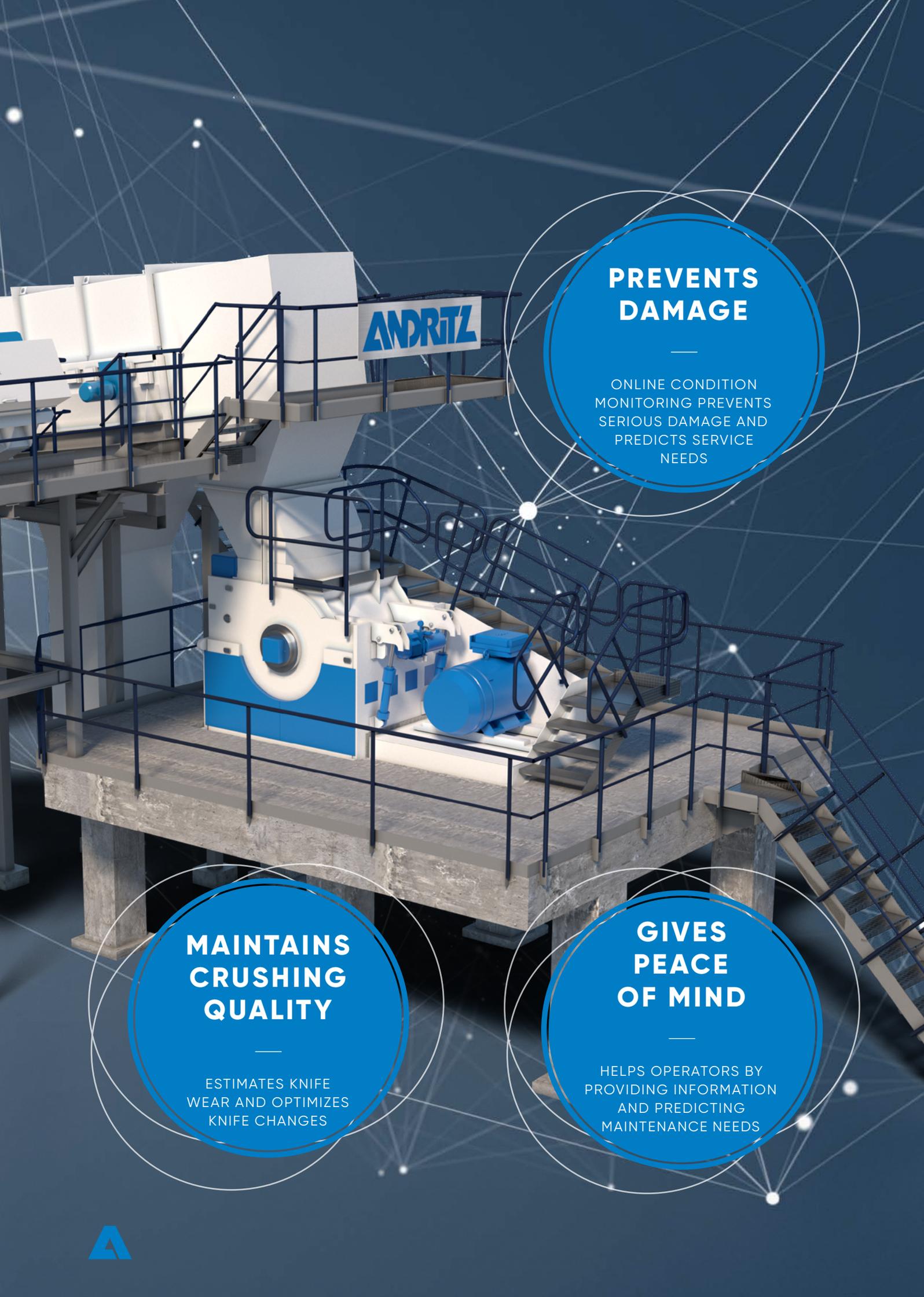
PULP & PAPER

GETTING THE MOST OUT OF YOUR BIOCRUSHER

**Metris CrusherEKG
DIAGNOSTICS TECHNOLOGY**

ANDRITZ

ENGINEERED SUCCESS



ANDRITZ

PREVENTS DAMAGE

—
ONLINE CONDITION
MONITORING PREVENTS
SERIOUS DAMAGE AND
PREDICTS SERVICE
NEEDS

MAINTAINS CRUSHING QUALITY

—
ESTIMATES KNIFE
WEAR AND OPTIMIZES
KNIFE CHANGES

GIVES PEACE OF MIND

—
HELPS OPERATORS BY
PROVIDING INFORMATION
AND PREDICTING
MAINTENANCE NEEDS



Metris CrusherEKG

The Metris CrusherEKG is a unique condition monitoring solution. It provides vital information and knowledge about the biocrusher and its knife system via online data. Similar to the device a doctor hooks up to the human body to evaluate how healthy the heart is, the CrusherEKG keeps track of the heart of the crusher.

CUSTOMER CHALLENGE

The crusher knife-changing schedule is typically based on crusher running time. However, foreign objects can find their way into the crusher and cause unexpected shutdowns and production losses at any time.

Without the equipment to detect these foreign objects or assess the knife condition, the knives may be changed prematurely. Or if the knives are not changed in time, there may be serious damage to the crusher, unnecessary safety risks and poorer crushing quality.

ANDRITZ SOLUTION

The CrusherEKG diagnostics technology provides on-line knowledge and insights into crusher internals, such as knife and bearing condition or wear, helping the operators to predict maintenance needs.

BENEFITS

- Increases safety and reduces costs by eliminating unnecessary knife changes
- Maintains high and consistent crushing quality and ensures trouble-free biomass processing
- Prevents damage to the crusher
- On-schedule knife changes prevent high repair costs and production losses, thus ensuring high availability



Inside view of ANDRITZ BioCrusher



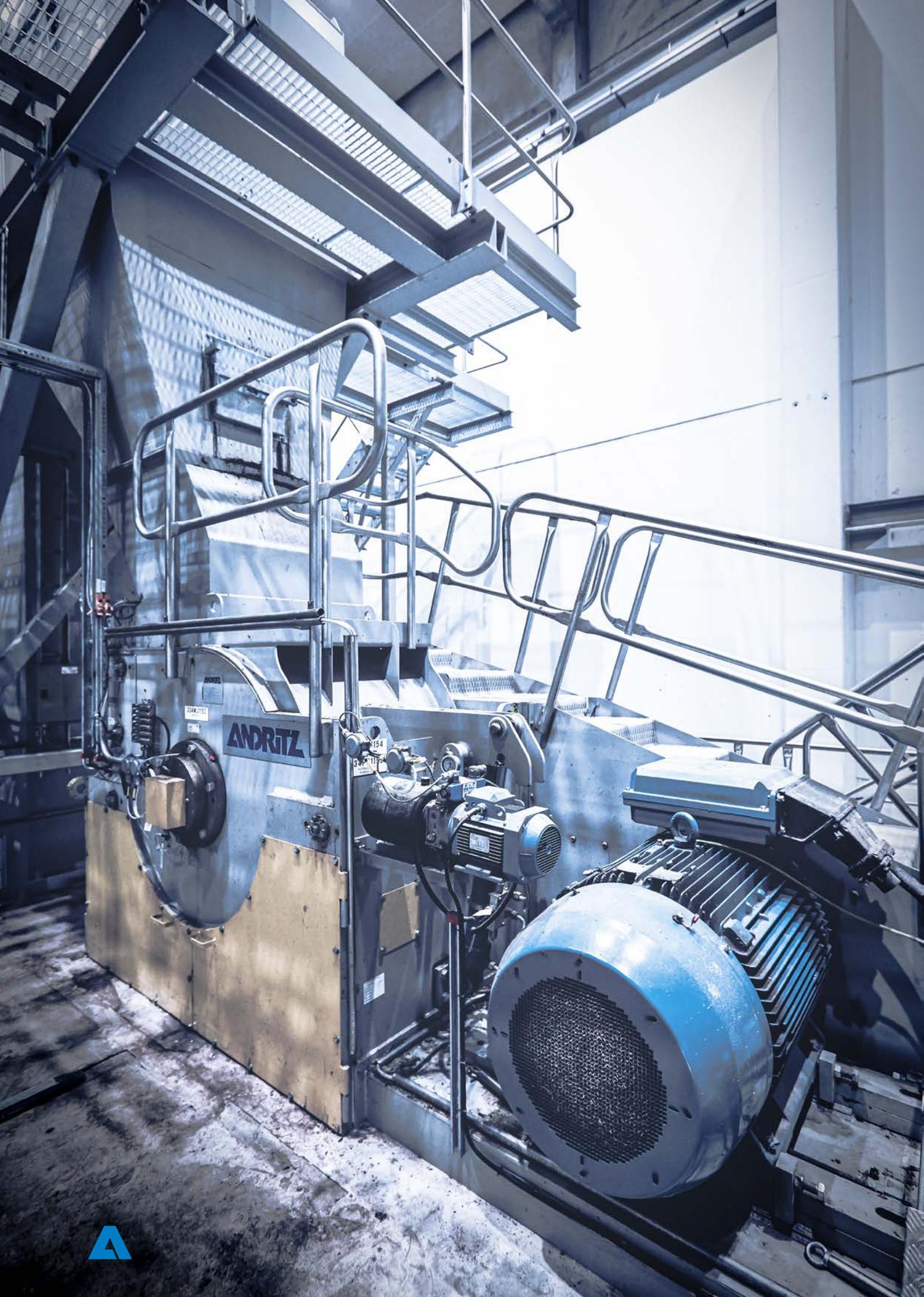
ANDRITZ BSX BioCrusher installed in a mill

Features

	CrusherEKG	Portable CrusherEKG*
Online knife wear estimation	•	•
Optimization of knife changes	•	•
Online detection of faulty knife installation	•	•
Online detection of damaged knives	•	•
Efficient online crushing time indicator	•	
Optional features		
Online condition monitoring for bearings	•	

* available for test use





ANDRITZ Autonomous Wood Processing – pioneering the digital revolution



ANDRITZ has built advanced wood, chip and bark processing plants and equipment for the pulp & paper, panelboard and power industries worldwide. We also provide parts, repairs, maintenance and modernization services throughout the world.



ANDRITZ AUTONOMOUS WOOD PROCESSING SOLUTIONS

We believe in getting the most out of wood raw material, we believe in sustainability. The way we challenge the seen inefficiencies in mills, is making our products meaningful, future proof, modular, simple to use and easy to maintain. We just happen to make success stories to our customers.

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