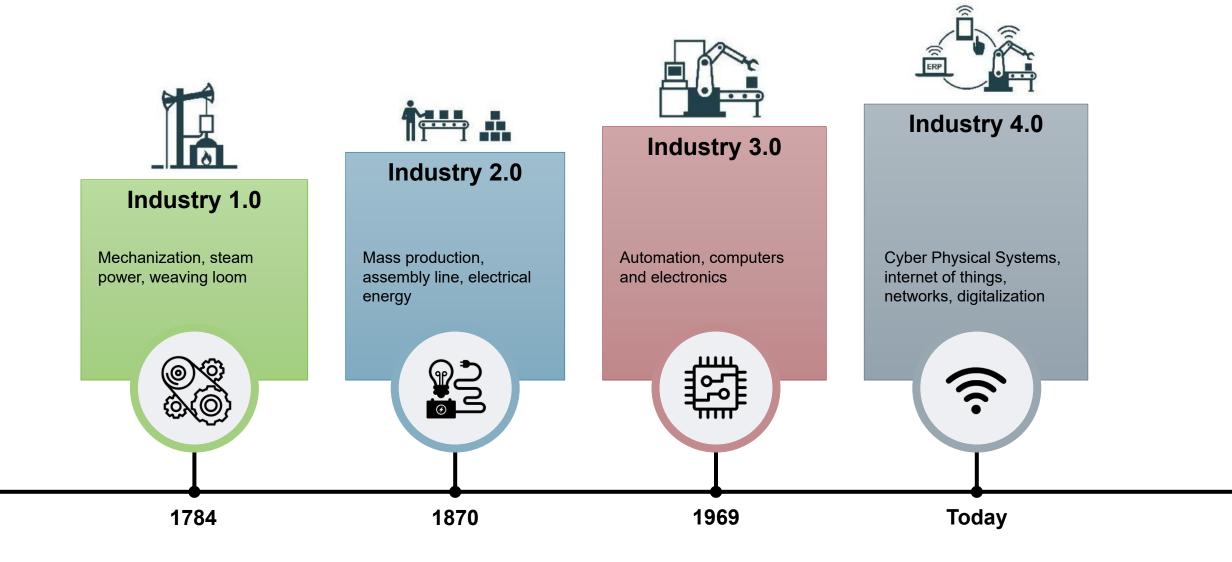


Opportunities and threats of cigitalisation for the ropeway industry

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Industry 4.0





Digitalization



OITAF Congress | June 17 to 21, 2024 | 3



IoT-Applications





IoT-Applications

Opportunities

- Better / more well-founded decisions
- Increased availability
- Preservation of know-how
- Saving on operating personnel

- Cybercrime
- Data breaches
- Data transparency for third parties
- System dependency





Passenger operation without operating personnel





Passenger operation without operating personnel

Opportunities

- Extended operating times
- Reduction in operating costs
- Demand-based operation
- Reduction in staff shortages

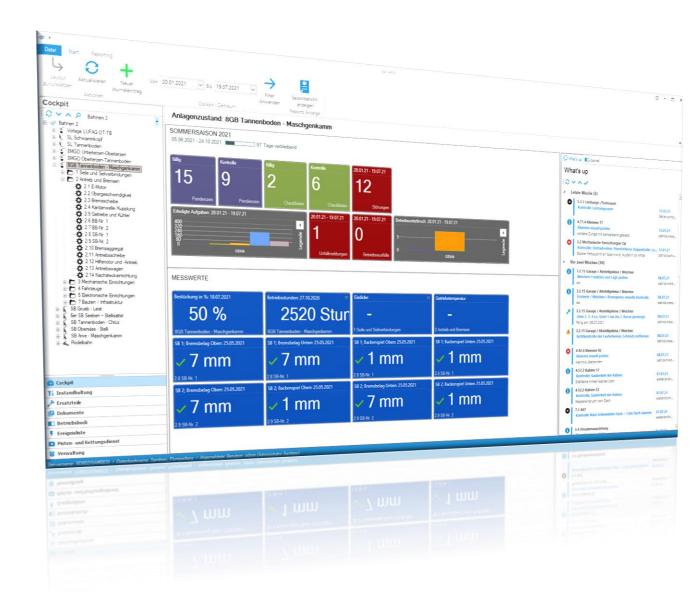
- Extraordinary events, wind and weather
- Job profiles are changing
- No longer able to look after guests
- Dependence on systems







Paperless documentation







Paperless documentation

Opportunities

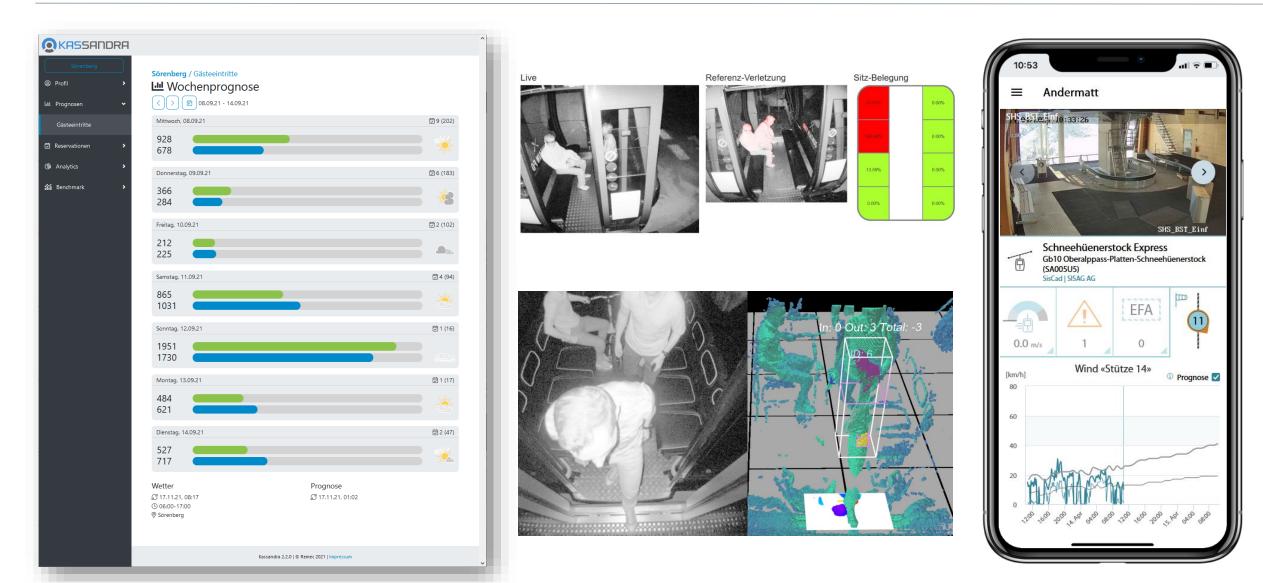
- Standardize process
- Traceability and verifiability are improved
- Know-how about a system is retained
- Fact- and data-based communication

- Dependence on systems
- Eyes and ears on the ground are lost (system knowledge)
- Academization displaces common sense





AI - Artificial intelligence





AI - Artificial intelligence

Opportunities

- Dynamic pricing, predictive maintenance, assistance systems for troubleshooting
- Rational, quick decisions detached from emotions
- Increased operational reliability
- Optimization of personnel costs

- Rules for AI, labeling
- Abuse, blind trust
- Social and sustainable responsibility
- Process know-how is lost





Summary

Opportunities

- Better basis for decision-making
- Maintain know-how
- Optimize operating costs
- Increase availability
- Guarantee safety
- Extend operating times
- Improve staff shortages
- Improve internal/external communication

Strengths

- Cybersecurity

- Data protection
- System dependency
- Increasing demands on business organization

Threats

- Change in job profiles
- Reduction in guest care
- Loss of process knowledge
- Blind trust in technology

Weaknesses



Summary

Question for ChatGPT:

"What are the opportunities and threats of digitalization in the ropeway industry?"

Answer from ChatGPT:

- Opportunities:

- Improved efficiency
- Customer experience
- Data analysis
- Threats:
 - Cybersecurity
 - Dependence on technology
 - Dealing with change





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Thank you for your attention!