Agenda

• Megatrend: Dematerialization
• Make Data Available
• Create Knowledge
• Actionable Takeaways
• Not the End of Story
Megatrend: Dematerialization

Sources: Forbes, 2019; Chini Mandi, 2019; USA Today, 2019
Megatrend: Dematerialization

Sources: © Filipe Pinto, 2010
Megatrend: Dematerialization

Welcome to the Knowledge Economy
Megatrend: Dematerialization

Knowledge is power. Information is liberating. Education is the premise of progress, in every society, in every family.

*Kofi Annan,*
Seventh Secretary General of the United Nations

Source: *Financial Times*, 2019
Megatrend: Dematerialization

Source: National Science Foundation of Georgia, 2019
Make Data Available

API

Log Files

??
Step 2

Organize Data
Step 3

Create Insights
Create Knowledge

When # of available chutes crosses threshold

Then Analyze root cause: blocked chutes

To Increase throughput by clearing chutes
Create Knowledge

76% of chutes available last 10 minutes

1,183 items discharged last 10 minutes
Actionable Takeaways

Improve Operations

94% of chutes available last 10 minutes

1,418 items discharged last 10 minutes
Not The End of Story

Reasons for predictive maintenance
1. More reliably detect element failures and thus avoid corrective maintenance
2. Reduce the use of spare parts

Approaches
- Use existing logs
- Install additional sensors to monitor drives, belts and other moving parts
Not The End of Story

Increased value and increased need for collaboration

Collect Data

Create Insights

Create Knowledge

Predict

Advise / Prescribe

Not The End of Story
Continue the Conversation

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Download a checklist of questions to get started today:
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