Tomorrow delivered Today Digital people, AI technology



Al in manufacturing Best practices

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Best AI practices in manufacturing



Introducing Digital Sundai



Acceleration of Industry 4.0

Lighthouse factories are leading the way in adoption of Fourth Industrial Revolution technologies

Developed a toolbox with high-impact use cases across

Product development	Customer connectivity
Supply network	Planning
Delivery	Sustainability

visibility

Work across four dimensions at once

- **Business processes**
- Management systems
- People systems
- **IIoT and data systems**





times

C Increased operational C Reduced costs C Expedited production C Exceptional customer support

Shifts in manufacturing & supply chain



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Improved agility & customer centricity



How?

Consumer intelligence

Advanced analytics algorithms process consumer preferences gathered from various platforms across the ecosystem

Product development

- Automated development platform
- Optimized product design
- Tailored product requirements

Production stage

- Automated production configuration
- Dynamic workstation load balancing
- Online quality inspection to detect & manage issues

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Digital twins

Entire physical Production or Machine Product Component production process environment Steps **Benefits** 1 Implement centralized data collection Increased reliability of equipment 2& production lines Build digital twin through digital & AI 2 models Reduced development time for ፈን new products Advise human operators on production 3 control or use digital twin for Reduced risks in various areas automatic intervention

Can be a representation / blueprint of a

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Eco-efficiency

Use IoT & predictive analytics for

Sufficient energy management

a must-have in order to remain in business and ensure compliance with an increasingly complex regulatory landscape.

Cloud-based IoT



connects several manufacturing sites, while still allowing for optimized energy management at a plant level

Meters & sensors are utilized to create visualizations & descriptive analytics of granular energy consumption by machines & processes



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Supply chain optimization



Operators, engineers & business analysts can coordinate decisions & receive alerts about performance or issues

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Main challenges in manufacturing industries | 1



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Main challenges in manufacturing industries | 2



Potential first use cases



Waste reduction

"Creating a digital twin allows for better control of the production process"



Solution

Optimize the production process through implementing centralized data collection and digital and AI models to accurately analyze these data.

Opportunity detection

2

"Using AI technology for opportunity detection can increase revenues with 10%"



Solution Start separate advanced analytics tracks simultaneously to identify the opportunity and select the right portfolio item to offer, creating valuable input for sales executives. eCTD creation

"Our eCTD framework is a proven solutions, tailored to your specific needs"



Solution

Automate the creation or update of eCTD documents by applying a text analytics solution. Both productivity and regulatory compliance will be positively impacted.

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Introducing Digital Sundai



Why Digital Sundai?

WHY Digital Sundai?

- Digital Sundai strives to create superior organizations through Digital & AI
- We believe Digital & AI projects only succeed when technology & business are both done right
 - **‡** We bring experienced digital business competence
 - **‡** Our aim is to bring top AI & Analytics expertise
 - **‡** Executed through our agile digital methodology and culture
- Digital Sundai is a networked enterprise which only works with top digital talent & top digital partners
- We are an Open company and an integral part of the Digital community with relations and access to the latest Business & Tech start-ups, scale-ups academia, and established companies
- **‡** Google Cloud is our preferred Technology ecosystem

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