



AVEVA

presents

***Sustainability Via Digital
Transformation***

December 15th, 2020

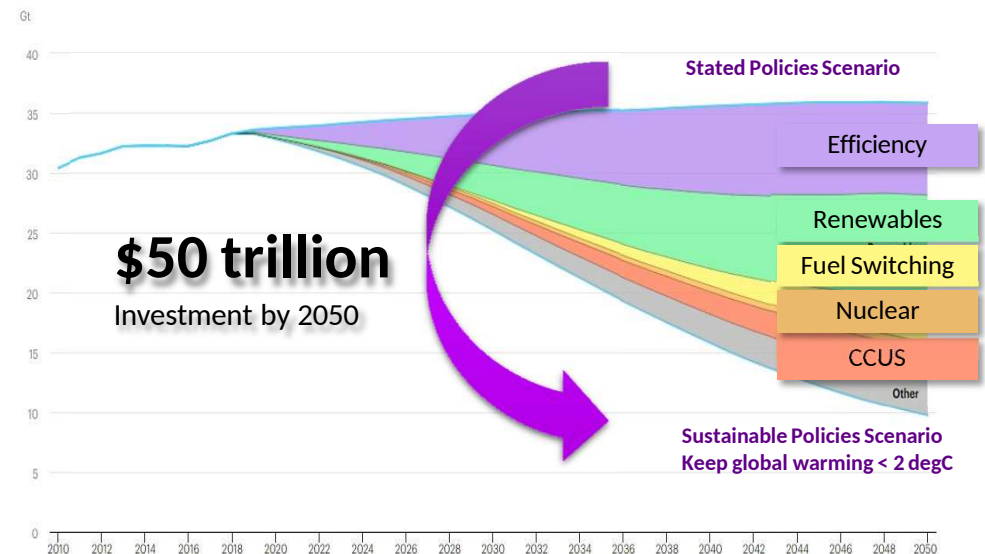
Sustainable development has become top agenda for the world to address climate challenges

SOURCE: United Nations, International Energy Agency, Morgan Stanley



CO2 emissions reductions by measure in the Sustainable Development Scenario relative to the Stated Policies Scenario, 2010-2050

Open






































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Stated Policies Scenario Efficiency Renewables Fuel switching Nuclear CCUS Other Sustainable Development Scenario

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AVEVA Supports you with Sustainable Development

Common Strategic Directions were observed from Selected Major Industrial Customers		Unified Engineering		Unified Operations		Optimized Performance	
		Design & Engineering	Project Execution	Control & HMI	Information Management	Value Chain Optimization	Asset Performance Management
	Energy Efficiency Improvement and Emission Management						
	Wind / Solar / Biofuel / Hydrogen						
	Carbon Capture, Utilization and Storage						
	Natural Gas as Mid-term Transition						
	Water Resource Conservation and Waste water Management						
	Nuclear for Clean Power Transition						



Strong impact on energy / emission



Mild impact on energy / emission

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NET ZERO

CO2 Modelling

Emission Monitoring

Process & Energy Optimization

Emission as Part of Optimization

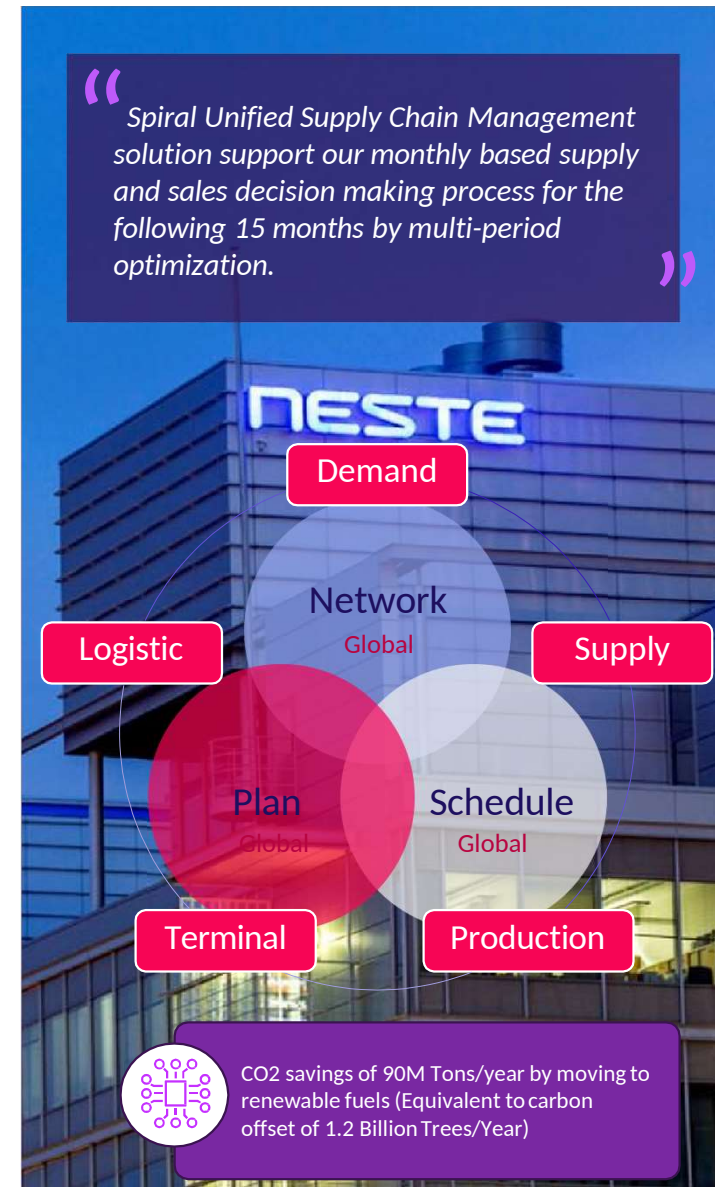
Responsibility in Distribution Network

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NESTE

Supply chain & operations management for renewable & oil products

- Challenge
 - Largest producer of renewable fuels in the world
 - Multi-sites with over 80 process units and several component and product transfers
 - Over 200 interesting supply-production-sales combinations
- Solution
 - Spiral Unified Supply Chain Management solution for both oil and renewable products
 - Optimization and scheduling of renewable credits
 - Unified model across supply and distribution and production planning and scheduling
 - Cloud deployment and high performance computing for fast decision making from anywhere
- Results
 - Automated processes on a unified platform integrated with ERP system
 - Enterprise solution for strategic decisions, feasibility studies, production planning, supply chain optimization & operations management
 - Supply chain optimization and reduced emissions from conventional refining as well as production of renewable diesels





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We'll take you there™