Move the World Forward

by scaling human observation and decision-making

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SUPPLY CHAIN ISSUES

DIGITIAL TRANSFORMATION

FINANCIAL VOLATILITY

ENVIRONMENTAL RISKS

WORKFORCE MOVEMENT

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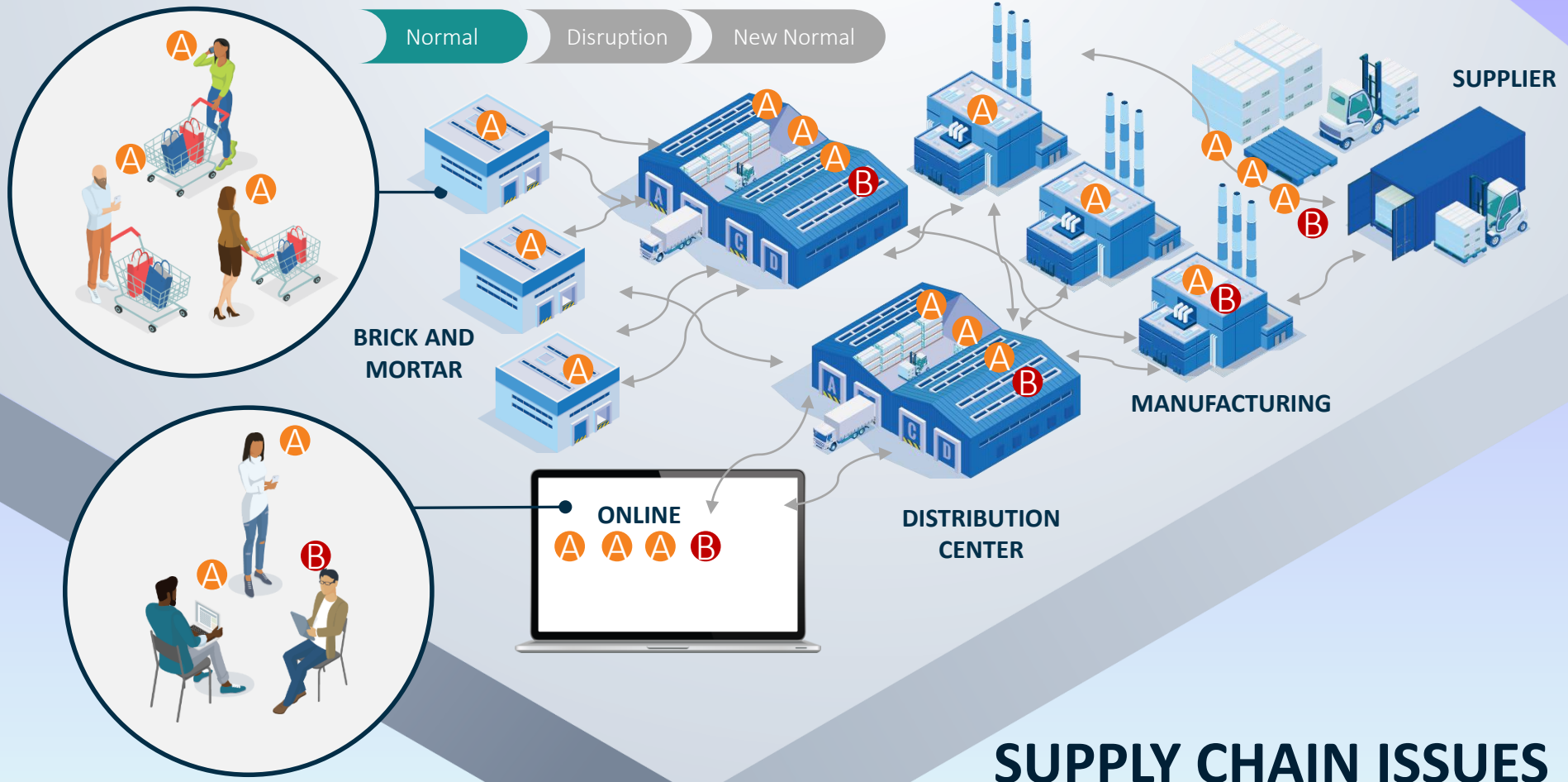
SUPPLY CHAIN ISSUES



SUPPLY CHAIN ISSUES

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DIGITAL TRANSFORMATION

drivers

Increased Competition

Consumer Expectations

AI and Cloud Technology

what

Optimize Operations

Extraordinary Consumer Experience

how

ModelOps

benefits

Efficiency

Effectiveness

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FINANCIAL VOLATILITY

FINANCIAL VOLATILITY

Ongoing Governance is Critical – also applicable to all ML/AI models in other industries

"My model and data are ready to be moved to production."	"I need to embed and execute my model."	"I need to monitor and refine my model over time."	"I want this process to be automated"
GOVERN	EMBED	MONITOR	AUTOMATE
CENTRALLY MANAGE	CREATE EFFICIENCIES	CONTROL & ADJUST	EXPEDITE ANSWERS

ENVIRONMENTAL RISKS

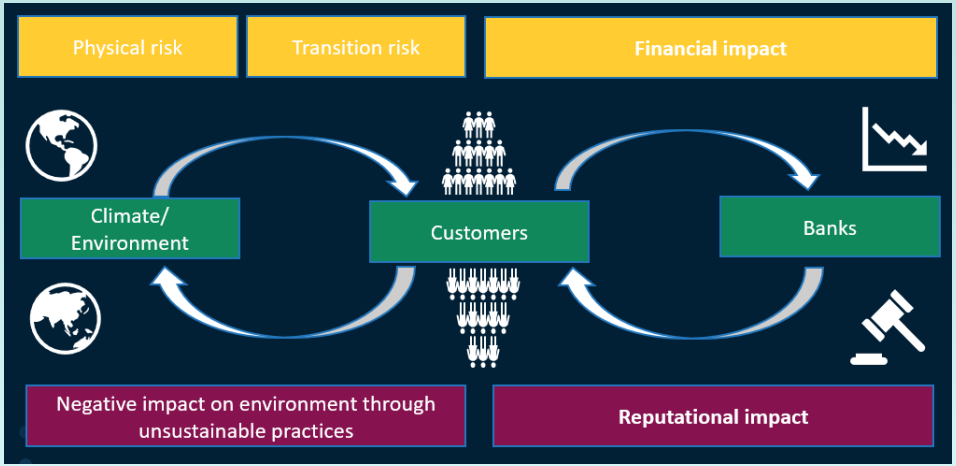
ENVIRONMENTAL RISK QUANTIFICATION CHALLENGES

Lack of empirical Data

Uncertainty over long horizon

Geographical and sector variations

Technology & Society developments



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WORKFORCE MOVEMENT

WORKFORCE MOVEMENT

More acceptance of Working From Home – also

- Cloud
- Remote hosting
- Follow-the-sun support models

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MODELS

SUPPLY CHAIN ISSUES

MODELOPS

DIGITIAL TRANSFORMATION

GOVERNANCE

FINANCIAL VOLATILITY

DATA

ENVIRONMENTAL RISKS

CLOUD

WORKFORCE MOVEMENT

OPPORTUNITIES & INCENTIVES TO INNOVATE

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CLOUD
COMPOSITE AI

OPERATIONAL & ORGANISATIONAL CHALLENGES

ENGAGE EVERYONE AND DEPLOY EVERYWHERE

EMPOWER THE ECOSYSTEM

ENSURE TRANSPARENCY AND TRUST

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Engage everyone and deploy everywhere

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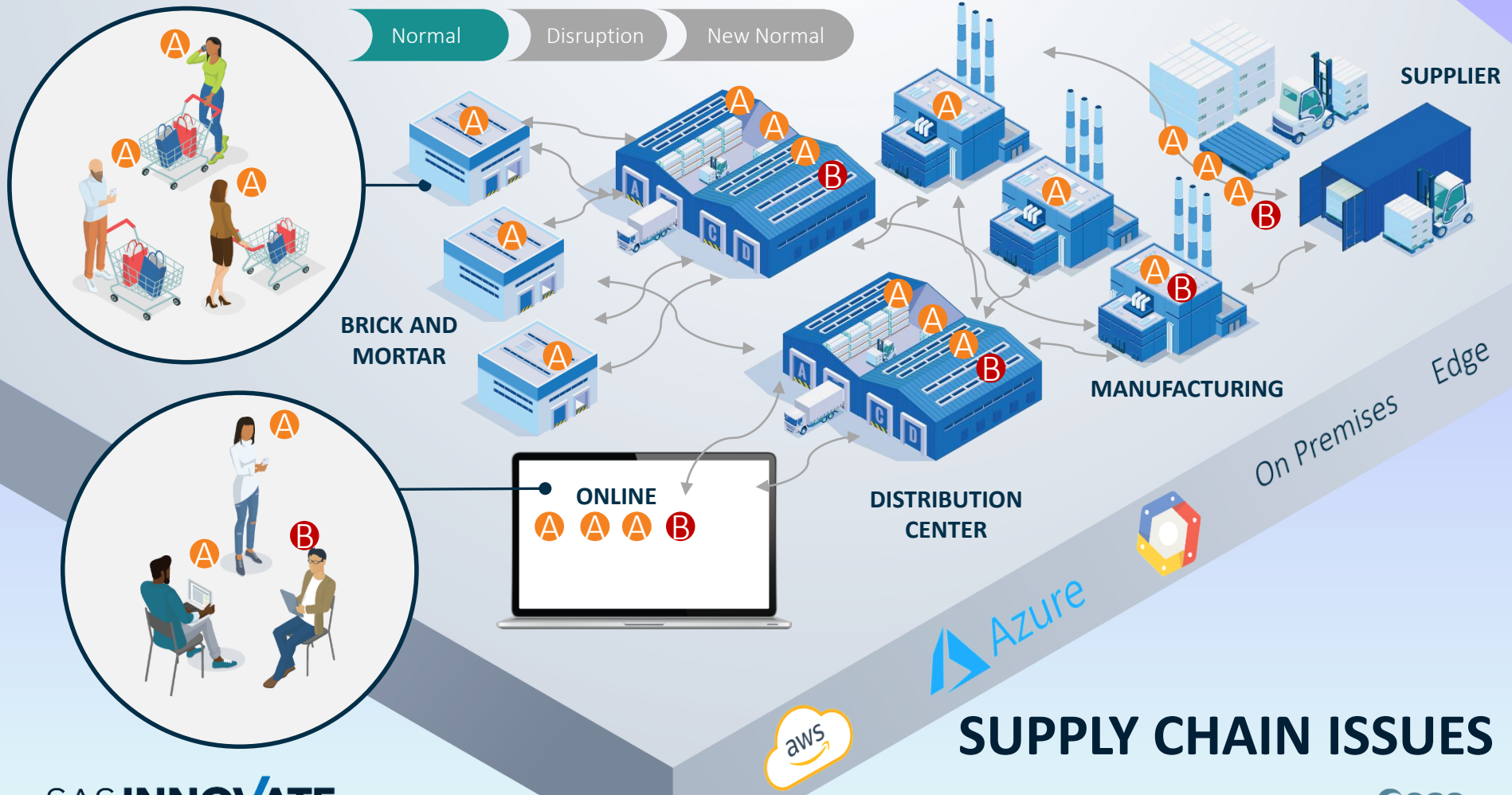

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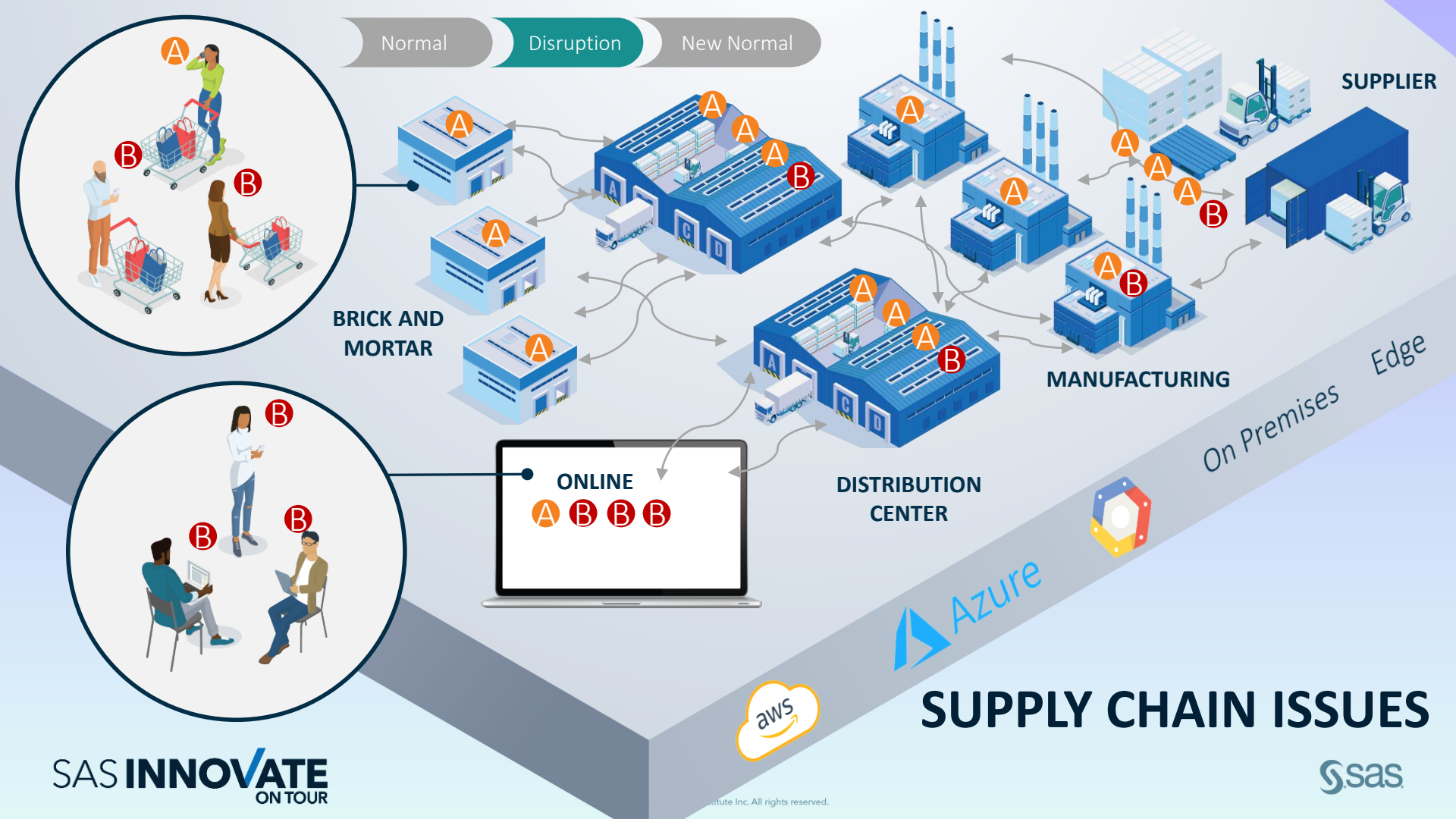

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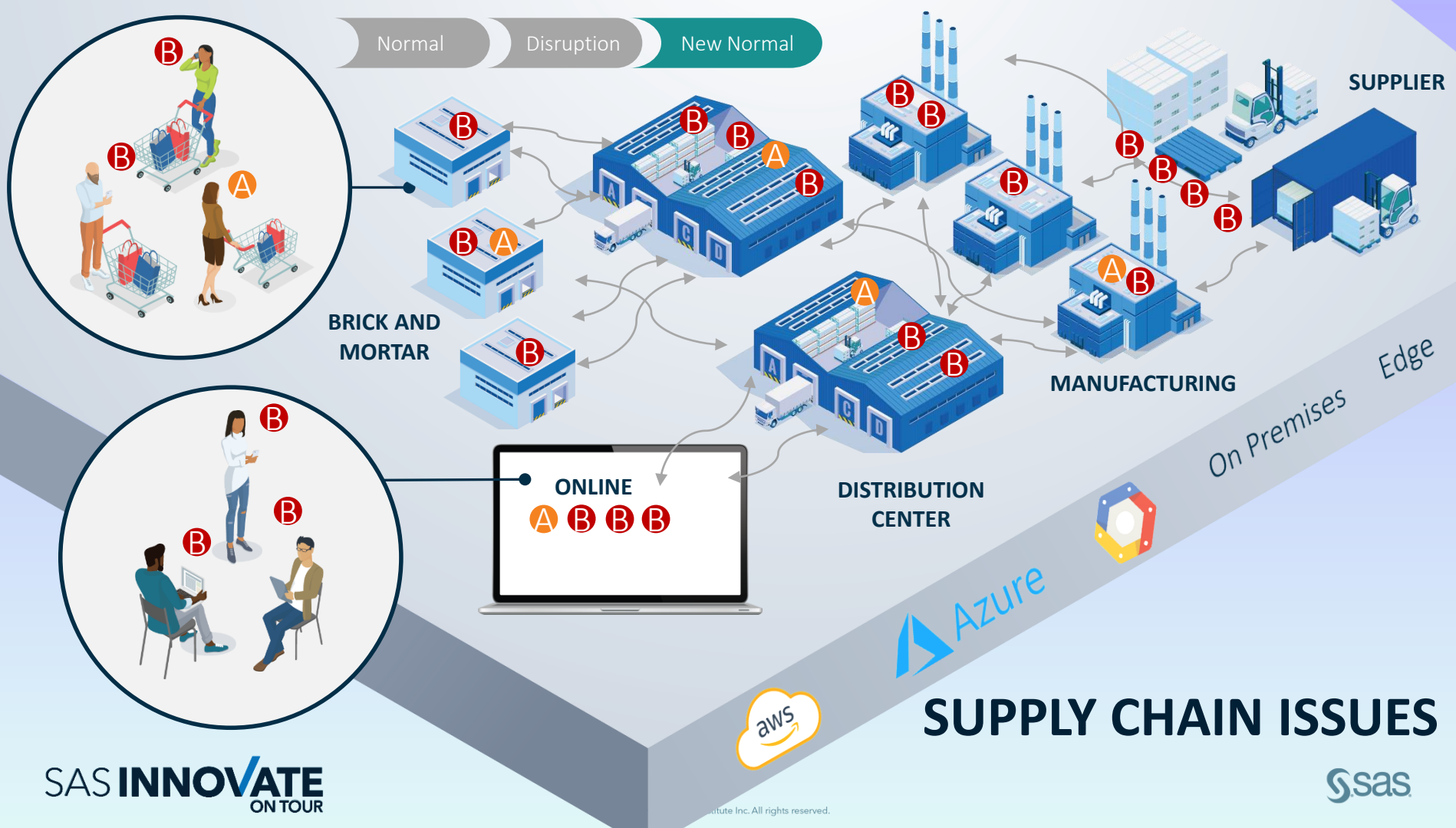

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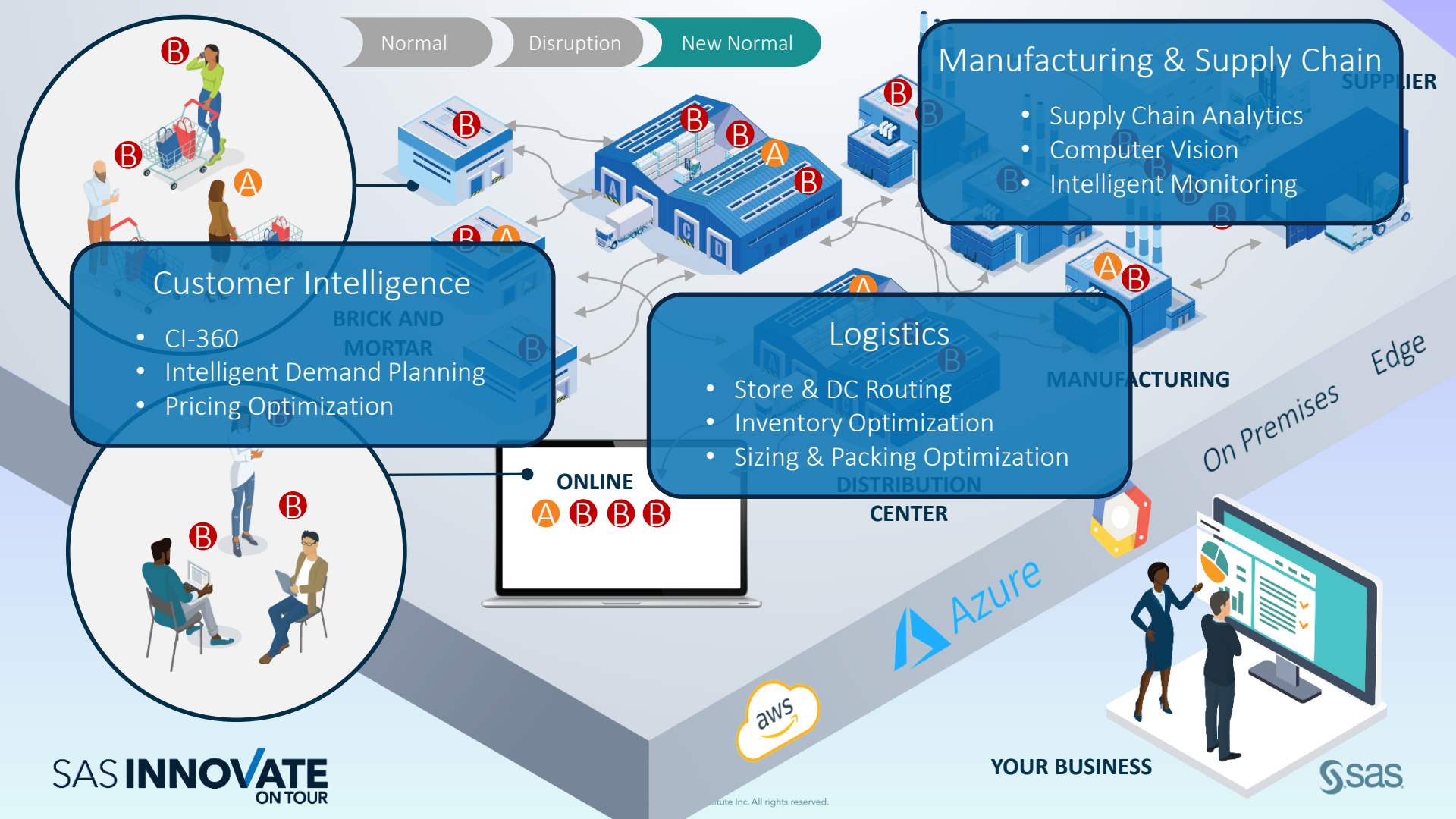
Normal
Disruption
New Normal
Manufacturing & Supply Chain
Supply Chain Analytics
Computer Vision
Intelligent Monitoring
Customer Intelligence
CI-360
Intelligent Demand Planning
Pricing Optimization
Logistics
Store & DC Routing
Inventory Optimization
Sizing & Packing Optimization
BRICK AND MORTAR
ONLINE
DISTRIBUTION CENTER
MANUFACTURING
SUPPLIER
On Premises
Edge
Azure
aws
YOUR BUSINESS
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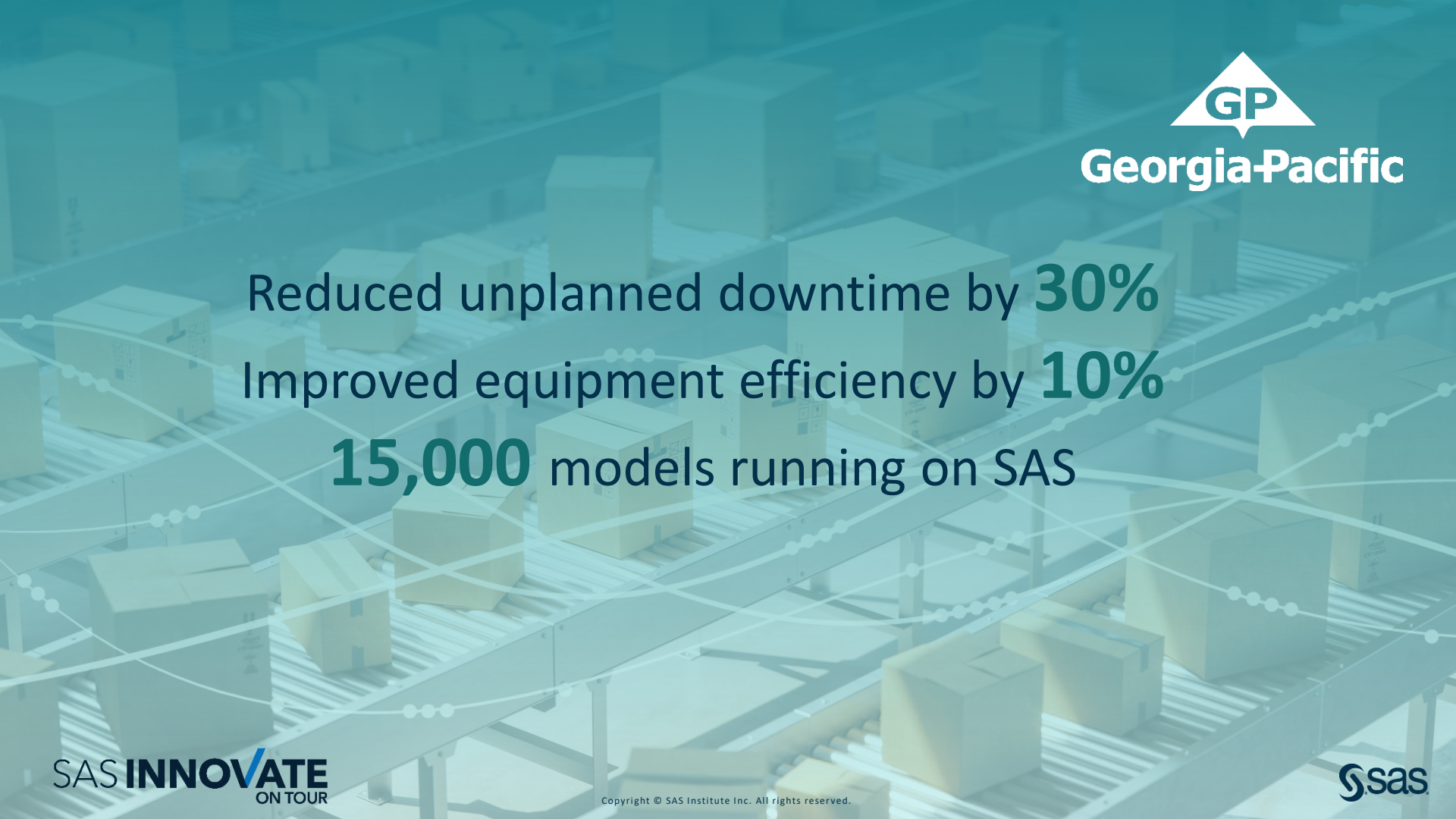
Georgia-Pacific
Reduced unplanned downtime by 30%
Improved equipment efficiency by 10%
15,000 models running on SAS
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Empower the ecosystem

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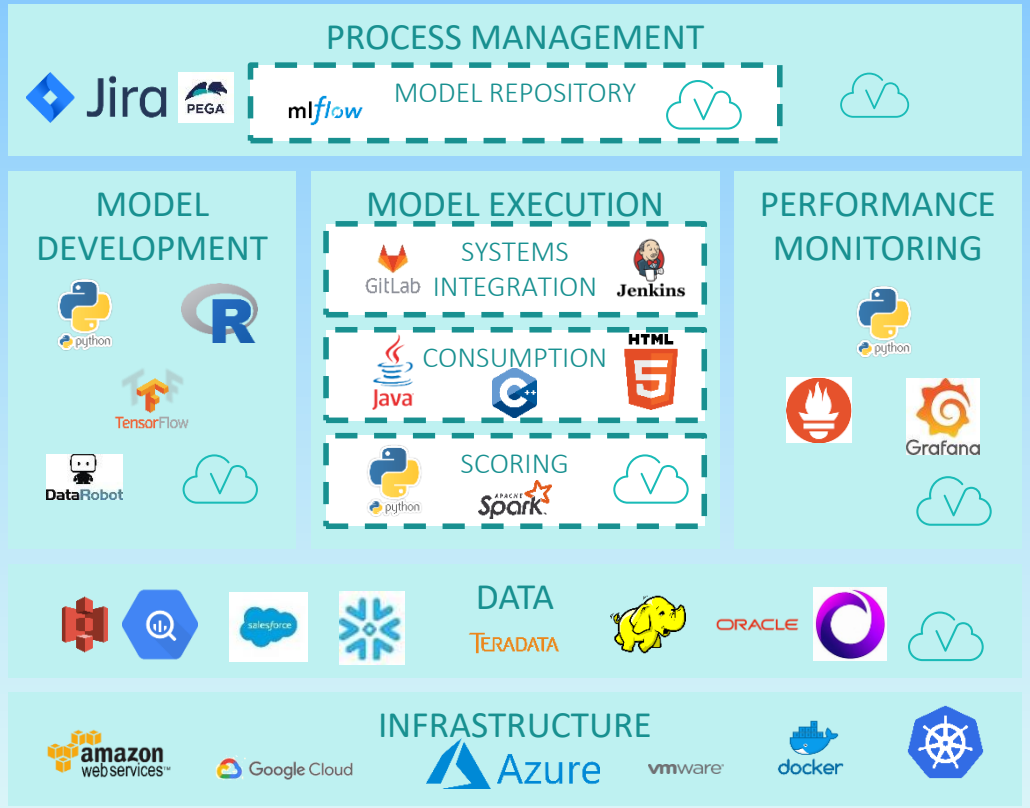
EMPOWER THE MODELOPS ECOSYSTEM



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auxmoney

*"If colleagues prefer to program certain procedures in **Python or in R**, that's not a problem, because open source code can be easily integrated into SAS."*

Thorsten Foltz, Senior Data Engineer, auxmoney

UNIVERSITY OF ALBERTA

*"There were **no closed doors** with SAS Viya. People who were pursuing other programming languages were not blocked out and could still benefit from a supported platform that met our needs."*

Dr. Lawrence Richer, Vice Dean of Research, University of Alberta

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Ensure transparency and trust

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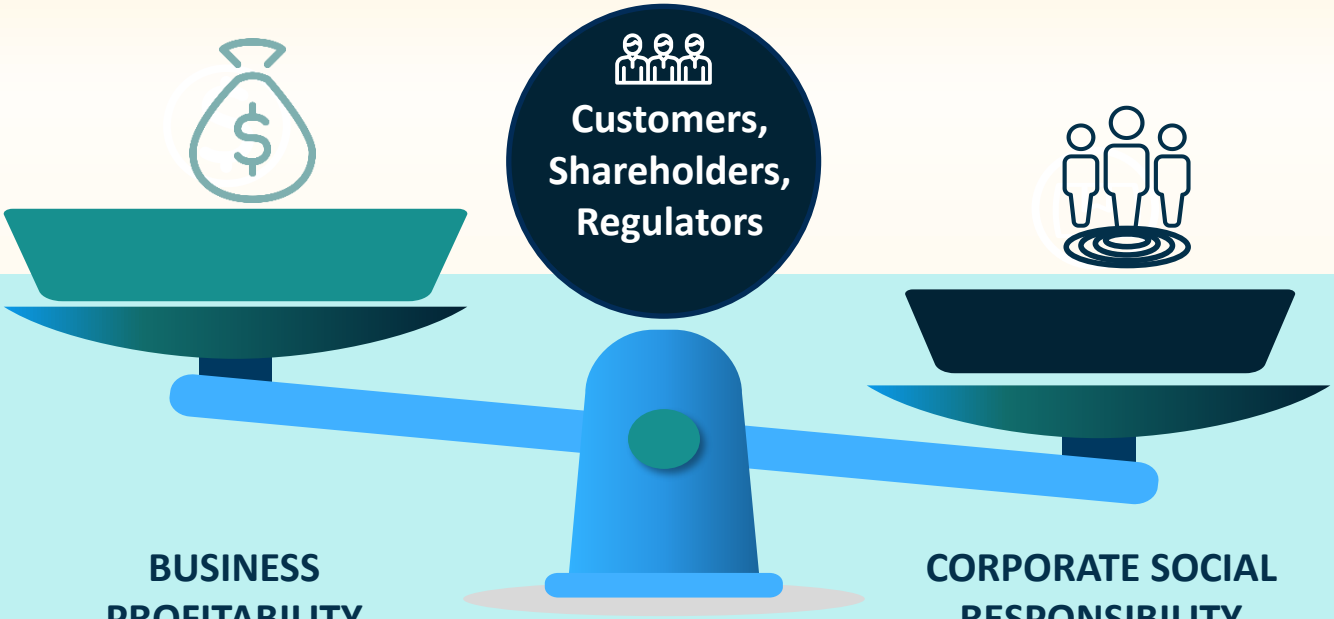
DRIVE ADOPTION & IMPROVE PRODUCTIVITY

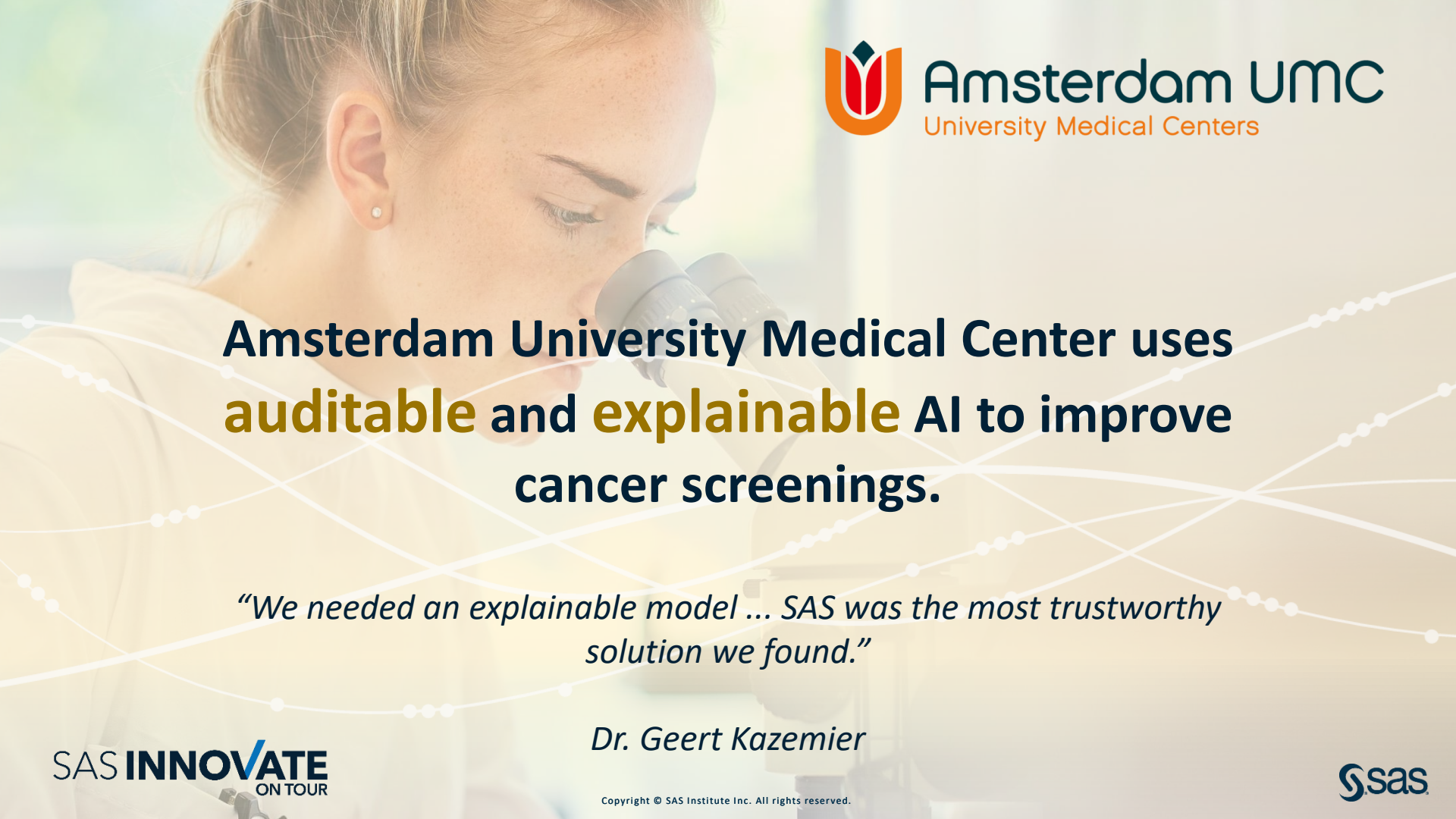
CREATE NEW JOBS & INCREASE INNOVATION

IMPROVE TRUST & SOCIETAL ACCEPTANCE



BUSINESS PROFITABILITY

CORPORATE SOCIAL RESPONSIBILITY



Amsterdam UMC
University Medical Centers

Amsterdam University Medical Center uses auditable and explainable AI to improve cancer screenings.

"We needed an explainable model ... SAS was the most trustworthy solution we found."

Dr. Geert Kazemier

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Thank You

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