knowledge17

WORK at LIGHTSPEED™

NXP IT Total Autonomous Operations Platform

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NXP

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servicenow

Secure Connections for a Smarter World

Sebastiaan Laurijsse

Director R&D IT Design Infrastructure

IT (R&D)



HAUTE ROUTE ALPS NICE-GENEVA

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SCOPE

8000
Hardware Designers

2500
Software Designers

40
Design Centers

15
Lab Environments

5
Global Datacenters

24x 7
Support



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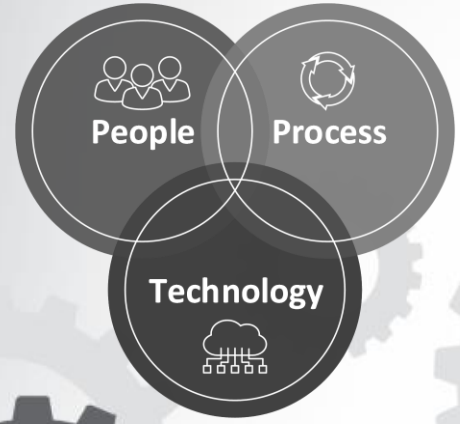
The NXP Journey So Far…



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How Do You Organize for Constant Change?





Better ✓ | Faster ✓ | More cost-effective ✓

People

Technology

Processes

Organize

for

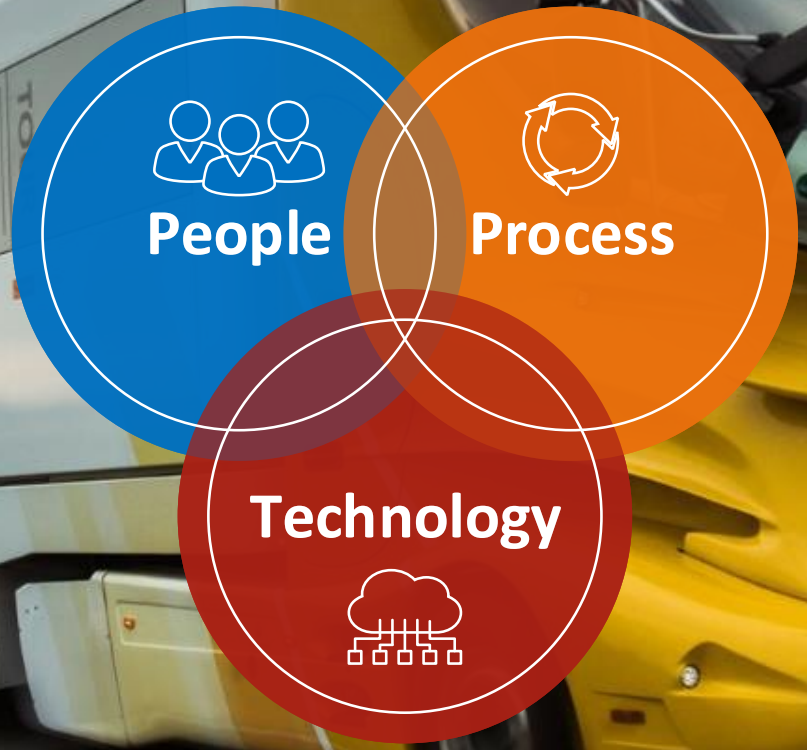
Change

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Organize for Change

Transforming your workforce

- Learning Culture
- DevOps
- Working Out Loud
- Fail Fast
- Work Agile
- Be a Techie



IT Process Automation

- Configuration Management
- Deployment Automation
- Data Driven Decision Making
- Test Automation
- Continuous Integration & Delivery

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IT Processes Automation — Autonomous Operations



Manual driving	Assisted driving	Autonomous driving



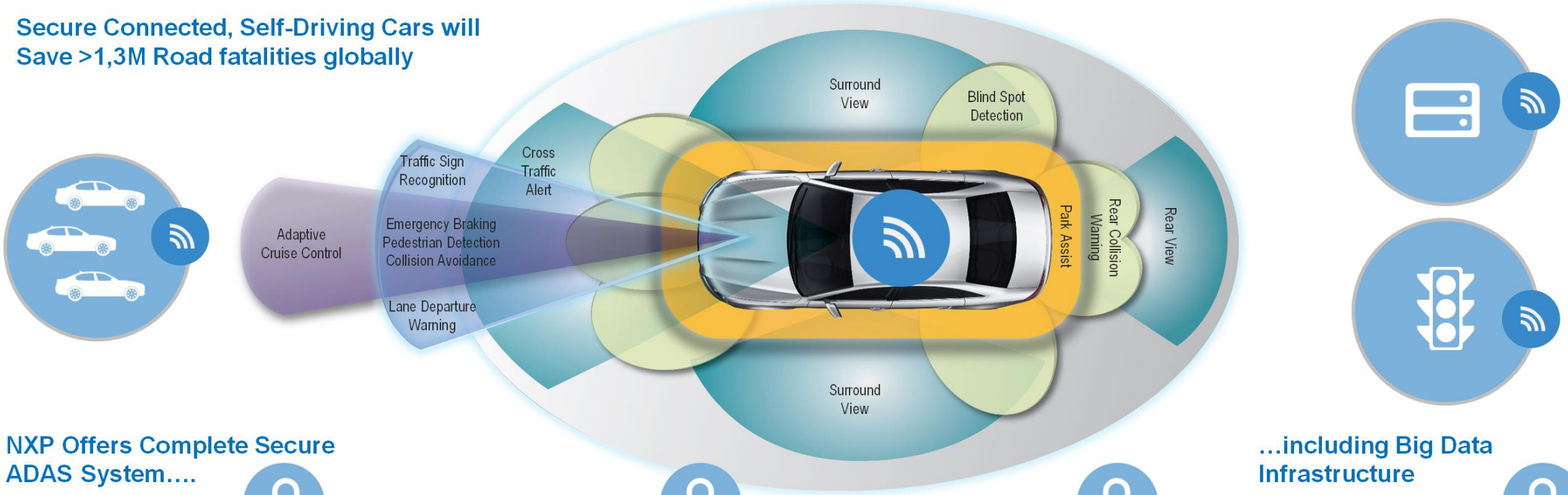
Manual IT	Assisted IT	Autonomous IT



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This is How NXP Works Towards Autonomous Driving

Secure Connected, Self-Driving Cars will Save >1,3M Road fatalities globally



NXP Offers Complete Secure ADAS System….

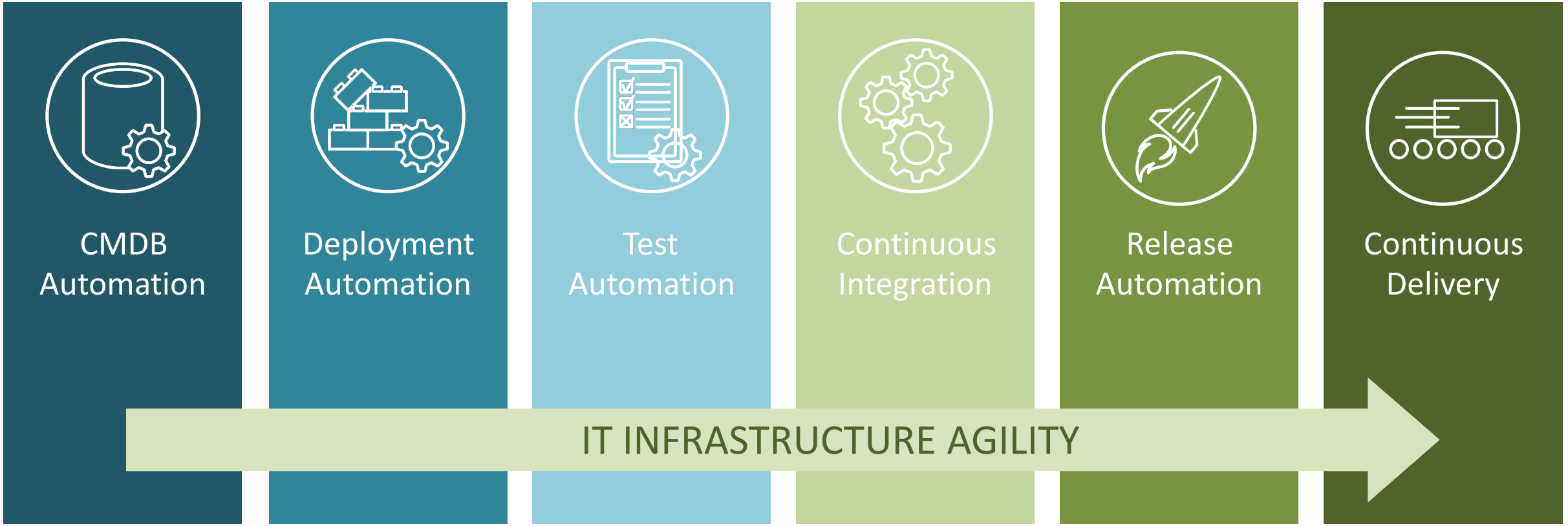
SENSE	Secure Network	THINK	Secure Network	ACT
Radar Vision Secure V2X		Processing Sensor Fusion Security		Powertrain Chassis Braking

…including Big Data Infrastructure

BIG DATA
Digital Networking Infrastructure Security

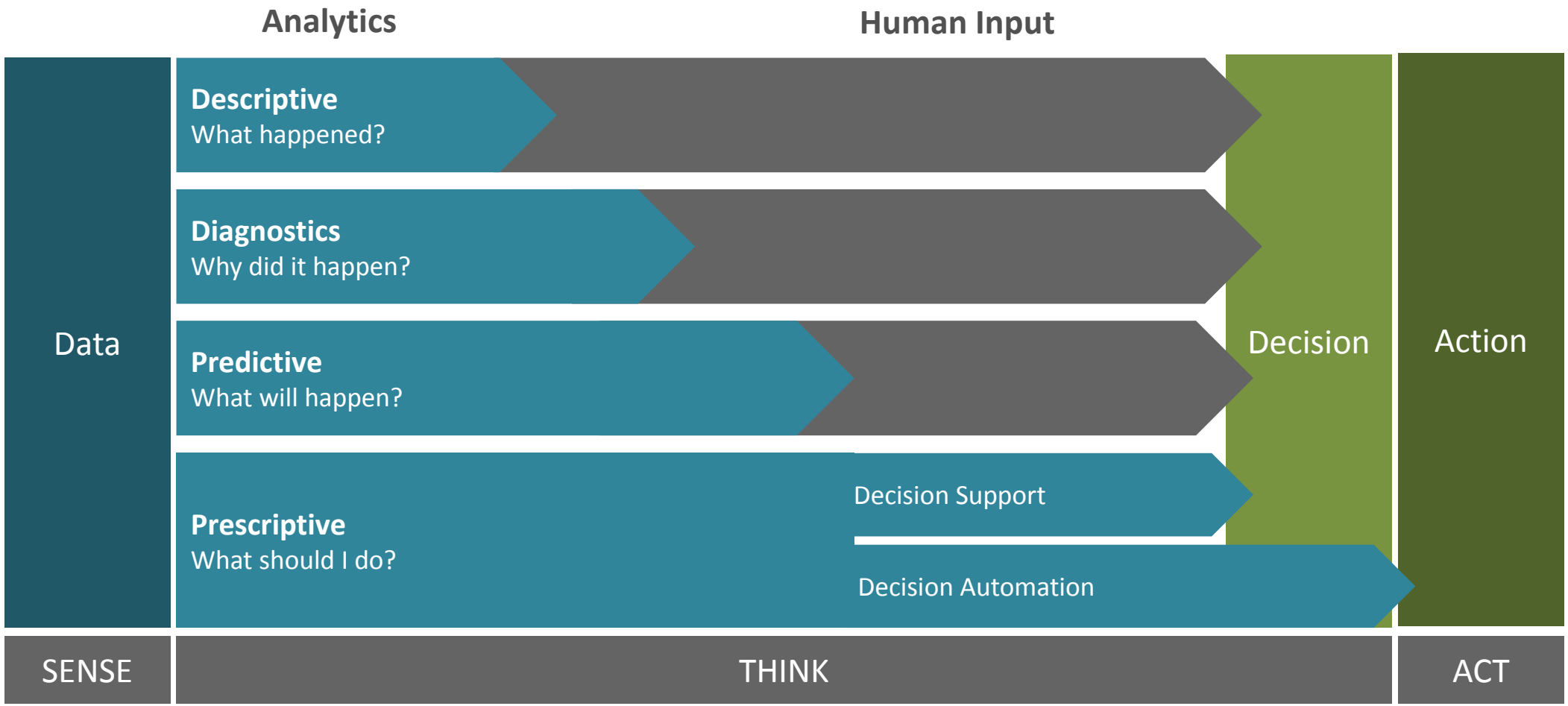
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This is How NXP IT Works Towards Autonomous IT Operations:



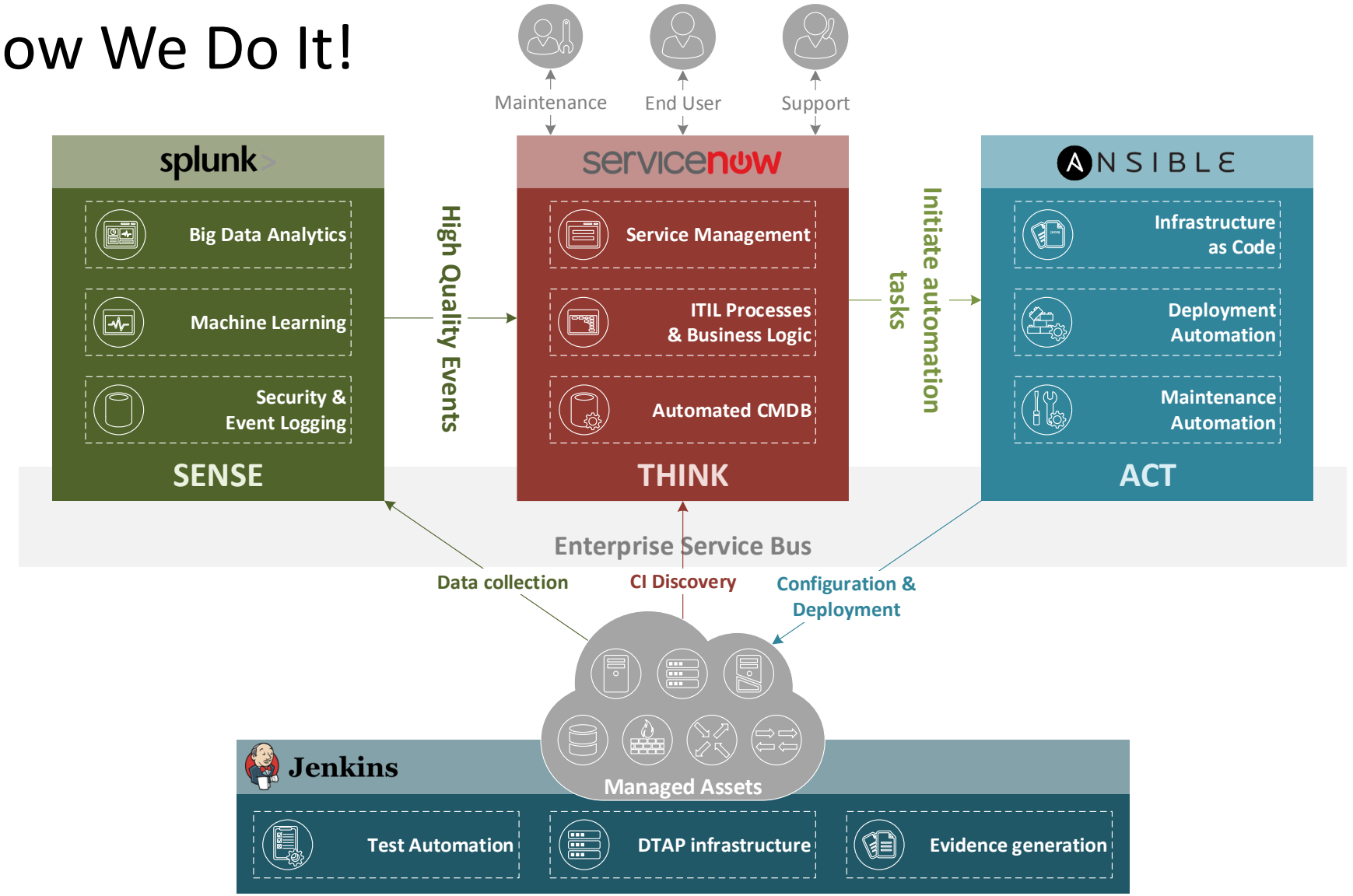
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What Does It Require to Act Autonomous?



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This is How We Do It!



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Next Chapter in Our Journey



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Platform Architecture

OUR USE CASES

REQUEST FULFILLMENT

- Provisioning of any service
- Onboarding

INCIDENT REMEDIATION

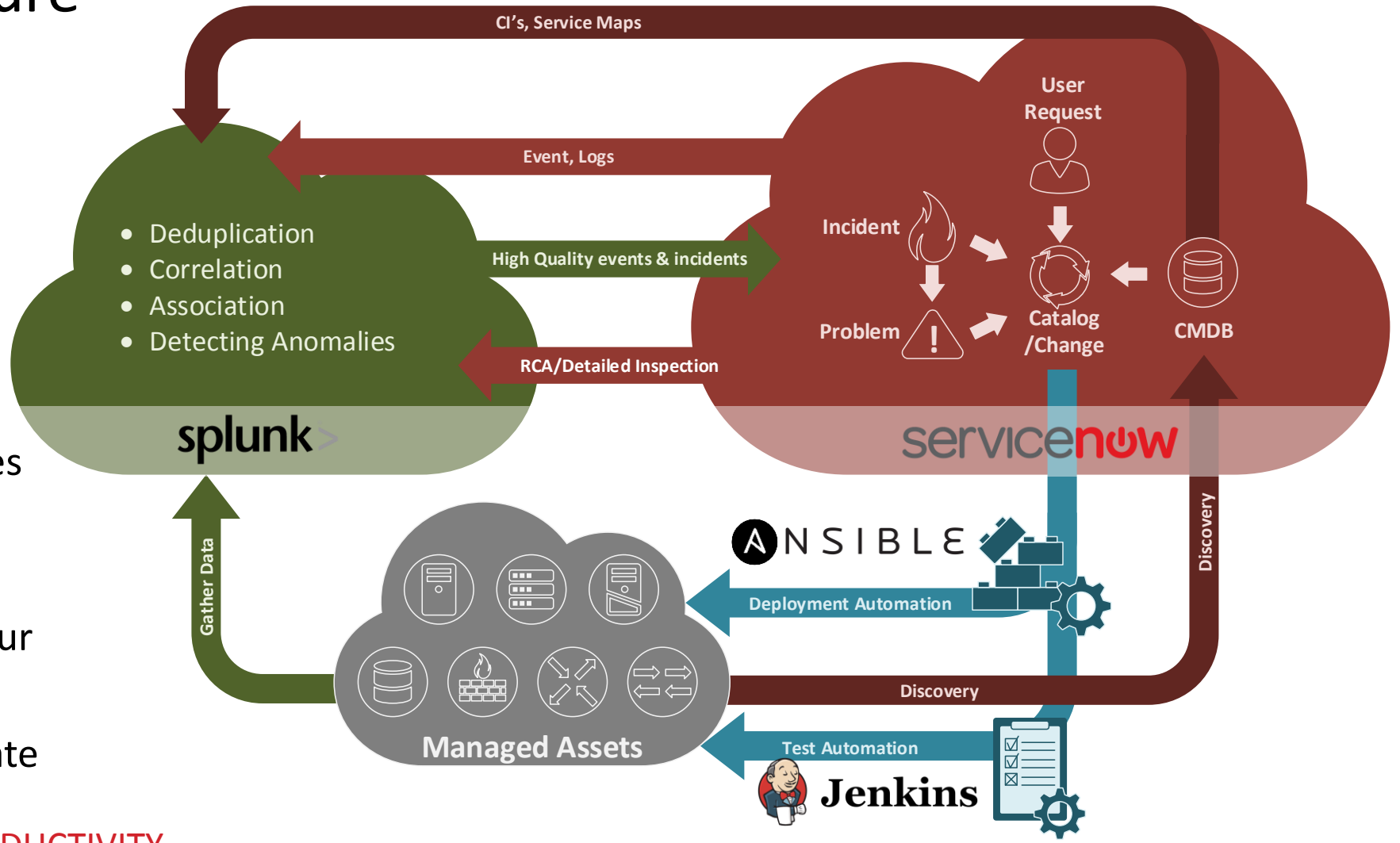
- Kill “runaway” processes
- Restart misbehaving services

DISCOVERY

- Unauthorized changes
- Abnormal network behaviour

SECURITY

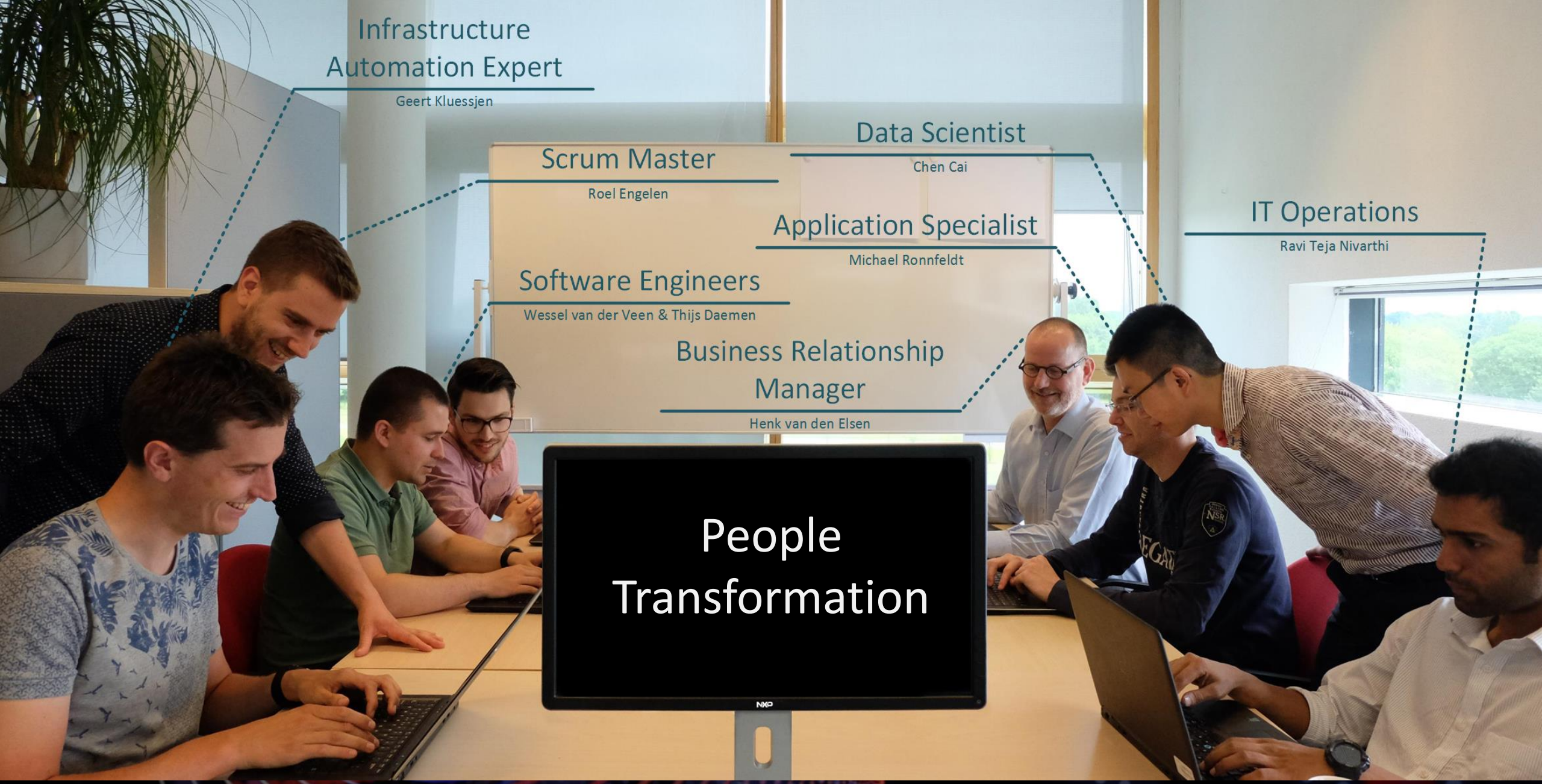
- Desired State vs Current State



GOAL: INCREASE DESIGNER PRODUCTIVITY

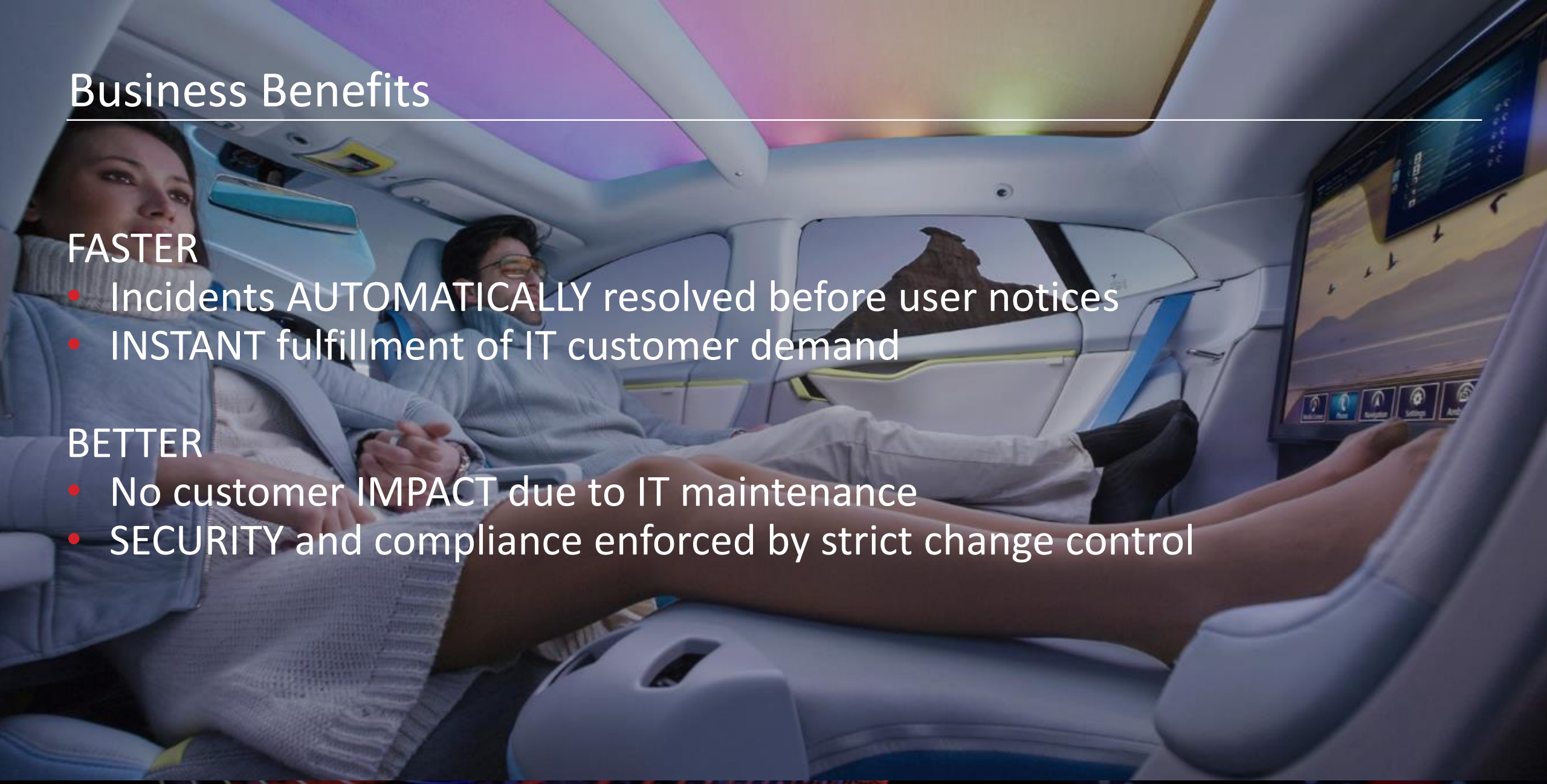
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Business Benefits



FASTER

- Incidents AUTOMATICALLY resolved before user notices
- INSTANT fulfillment of IT customer demand

BETTER

- No customer IMPACT due to IT maintenance
- SECURITY and compliance enforced by strict change control

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Thank You

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Thank You

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