



# **ATS** Shock of the New Digital threads a utopian dream?

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Chief Digital Transformation Officer





# Our **Customer's** #1 Question

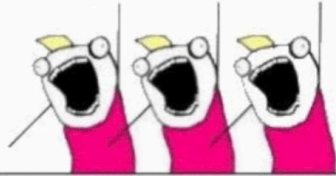
How to rollout  
manufacturing IT  
systems across  
**N** number **sites** in  
**n** number of **years**?



**Who are we?**



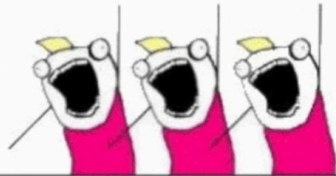
**Manufacturers!**



**What do we want?**



**Productivity!**



**How do we get it?**



**We don't know!**



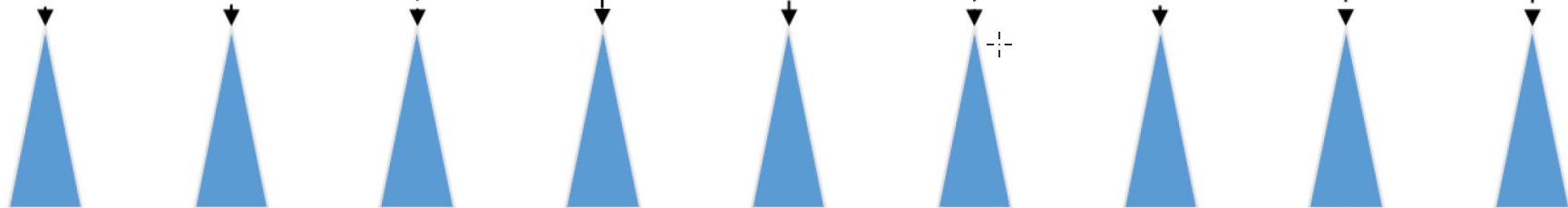
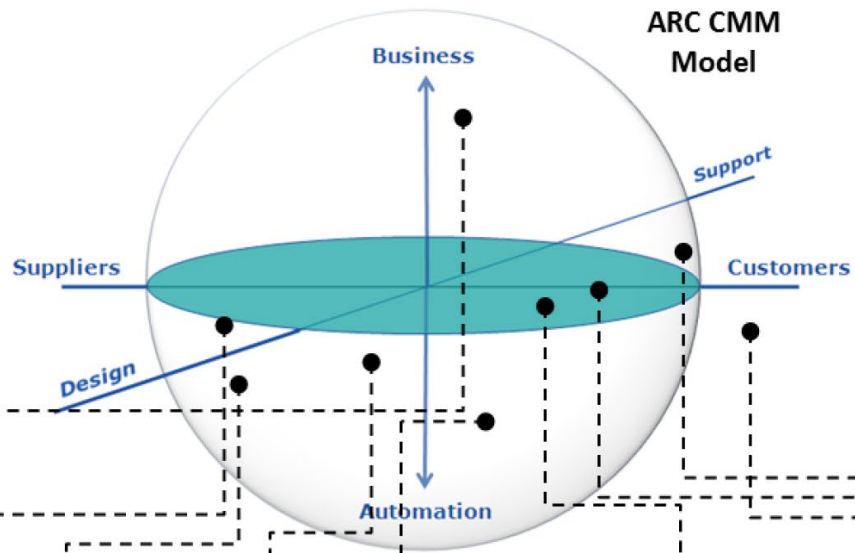
**When do we want it?**



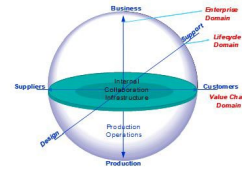
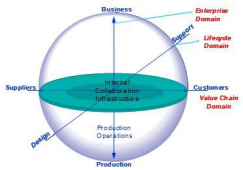
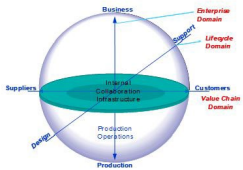
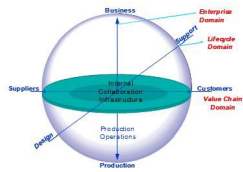
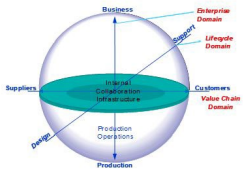
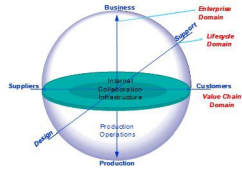
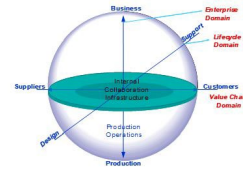
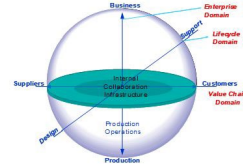
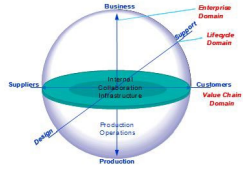
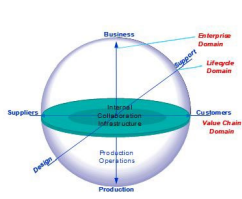
**Now!**



# ARC CMM Model



- Business Operations
- Inbound Supply Chain
- Plant Design, Engineering
- Product Design, Engineering
- Plant Operations
- Internal Collaboration
- Plant Support Services
- Product Support Services
- Customers & Order Fulfillment





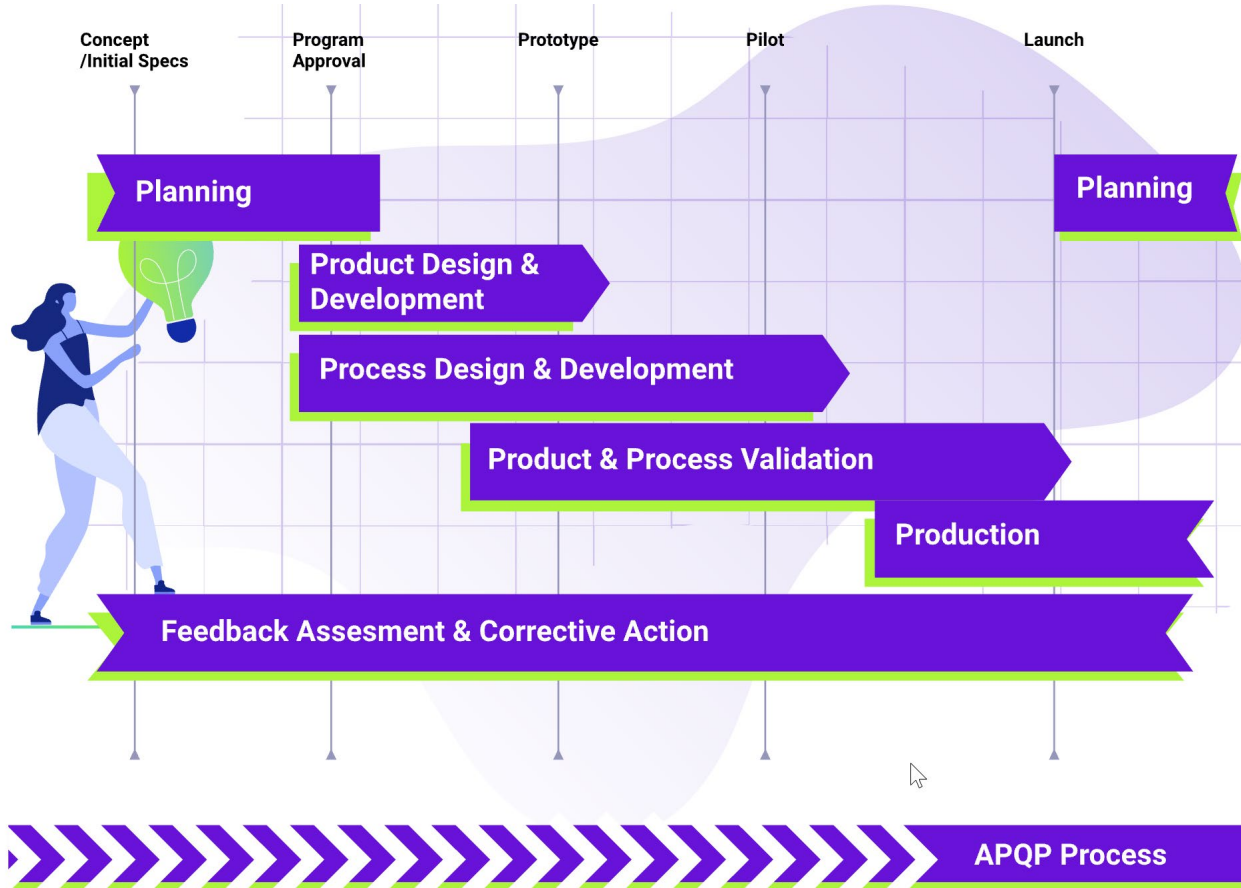
**1.**

# Design to Support

Design is at the heart of business success.



# APQC In the Supply Chain



What About  
future  
Business  
Model?

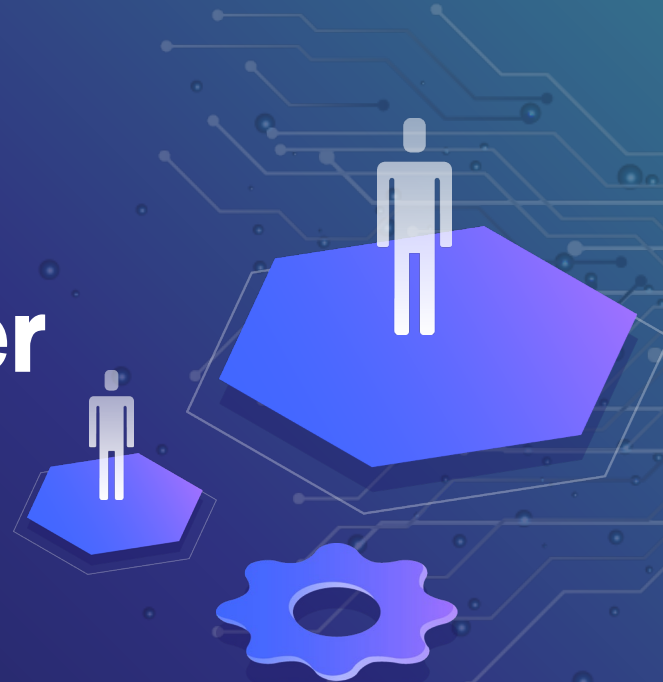
What About  
Everything as  
a Service?



**2.**

# Supplier to Customer

Delivering value that customers really want.





# Physical Goods **Where are they?**



Push vs Pull  
Manufacturing Process



# 3.

## Business to Automation

Digital Threads, Digital Twins and Open Architectures.



# Scalability shopfloor to enterprise

Is the technology ready to scale?



I4.0 Platform Approach

Level 4  
Enterprise

Level 3  
Manufacturing

Level 2  
Supervisory Control

Level 1  
Control System

Level 0  
Sensors and Actuators

## Industry 3



● ERP, PLM, PDM

● MES, LIMS, CMMS etc

● SCADA, CNC and HMI

● PLC and VB programs

● Fieldbus and Hardwired

## Industry 4



● Cloud Microservices and Big Data

● Cloud Microservices and Big Data

● IoT, AI and Edge Computing

● Digital Twins, Soft PLCs

● 5G Networking



4.

## Shock of the New

Technology that is Scalable, Useable,  
Sustainable and Affordable.



# ATS Ecosystem & Certifications



Technical Partnerships



SIEMENS



SAP



Microsoft  
Azure



ADVANTECH



aws



ISO



## ATS Global's Microsoft **Certifications**

This provider has demonstrated competency in the following areas:

- ★ Gold Data Analytics
- ★ Gold Application Integration
- ★ Gold Application Development
- ★ Gold Datacenter
- ★ Gold Windows and Devices
- ★ Silver Collaboration and Content

“

**How do we get it?**





“

Are you **ready** for the  
**shock** of the **new**?

# Scalability In the Supply Chain



Is the technology ready to scale?

Online Chat and Chat Bots

A purple circular icon containing a white speech bubble with three dots inside, representing online chat and chat bots.

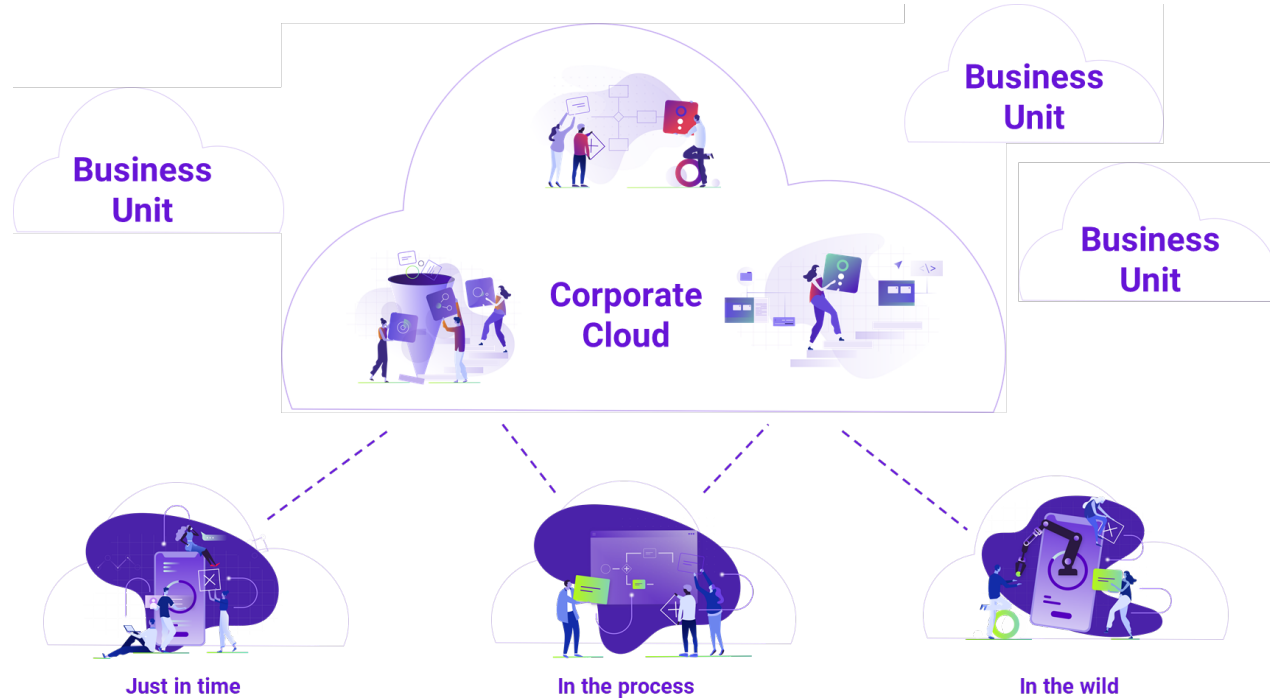
Hyperscale Cloud Architecture

A purple circular icon containing a white sun and cloud symbol, representing hyperscale cloud architecture.

Knowledge base and Intranet

A purple circular icon containing a white network diagram with a central node and several peripheral nodes, representing a knowledge base and intranet.

24/7 Service Desk Phone Support

A purple circular icon containing a white headset icon, representing 24/7 service desk phone support.



# Shifting Perspective



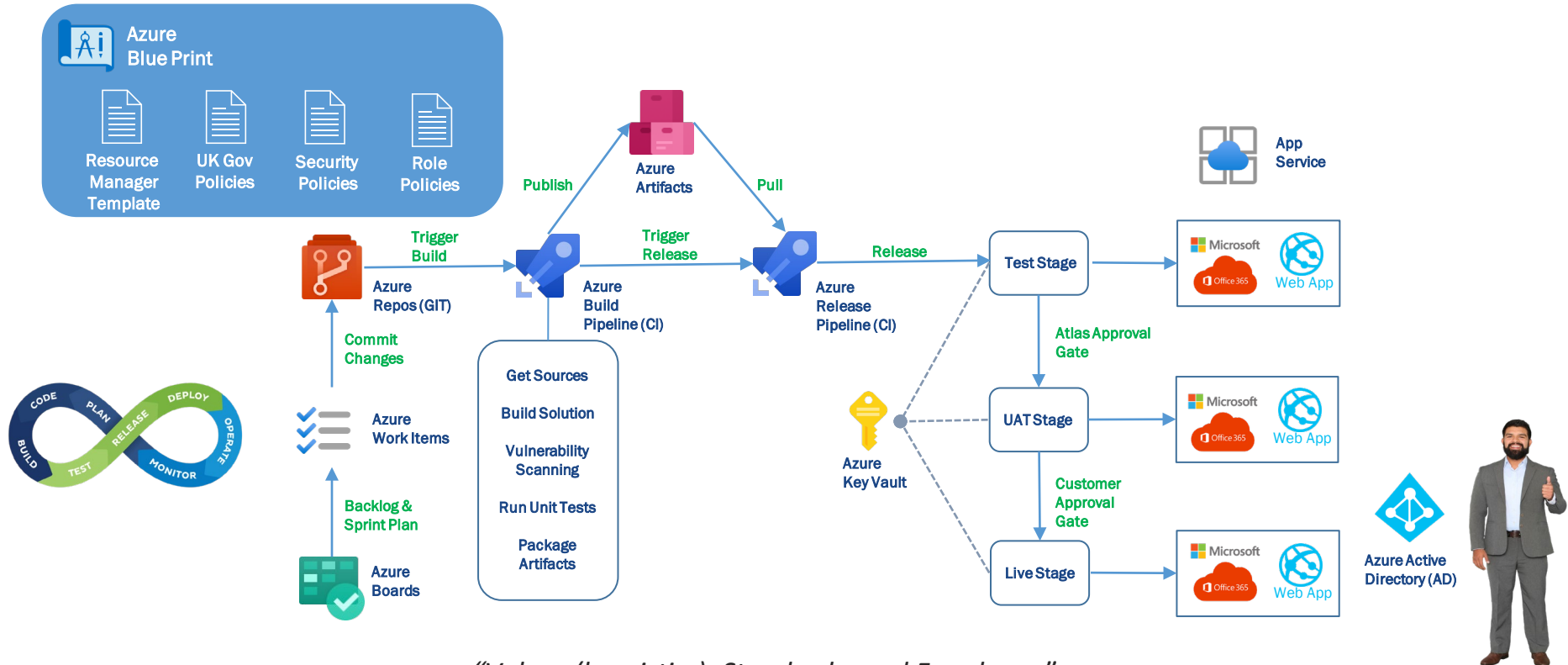
From Solution-centered to Human-centered



# Sustainability Infrastructure as Code



Continuous Integration, Continuous Delivery

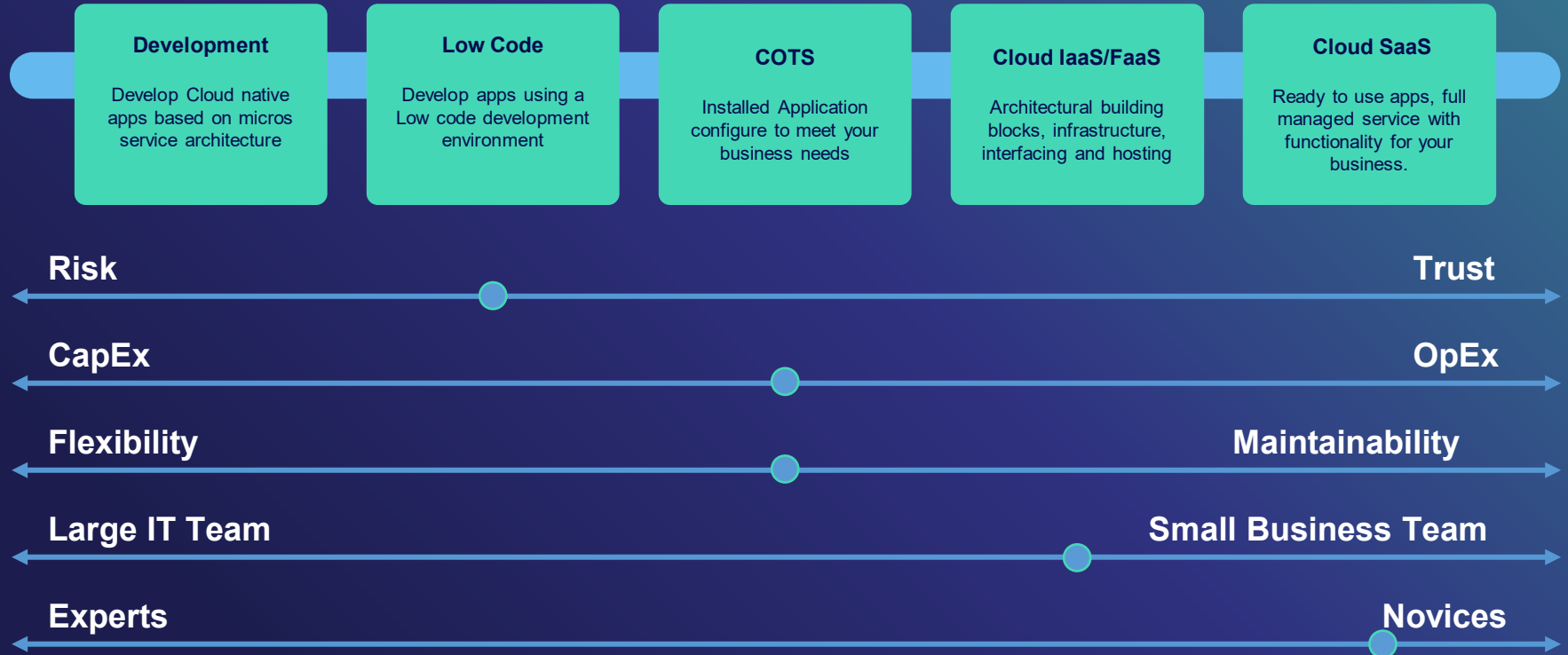


*“Values (heuristics), Standards, and Freedoms.”*





# Development or Service?



# Digital Transformation Top 3

a culture based on a collaborative partnership



## Save Money

**Make everything  
scalable**



## Business Change

**Great  
user experience**



## Fresh Technology

**Adopt  
Agile DevOps**



Thank You...

There is another way



# The *Independent* Solution Provider

## Smart Digital Transformation

our experience, your success



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