From OpenDRIVE to ASAM OpenDRIVE
Vision of a Powerful Future

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October 09, 2018

PART OF HEXAGON

Before we start

People with visions...

...should go to the doctor!

Helmut Schmidt (†)
German chancellor
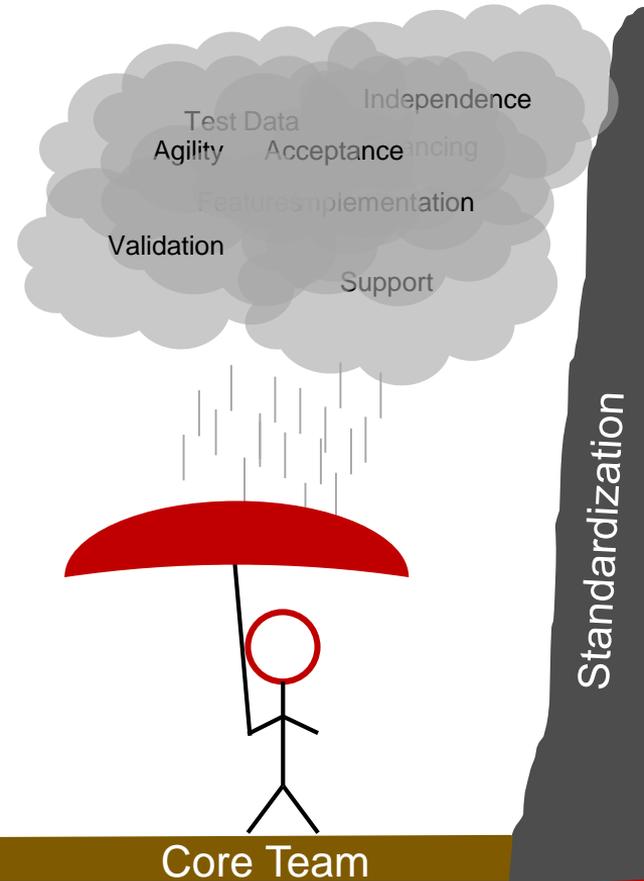1974 - 1982

The Challenges
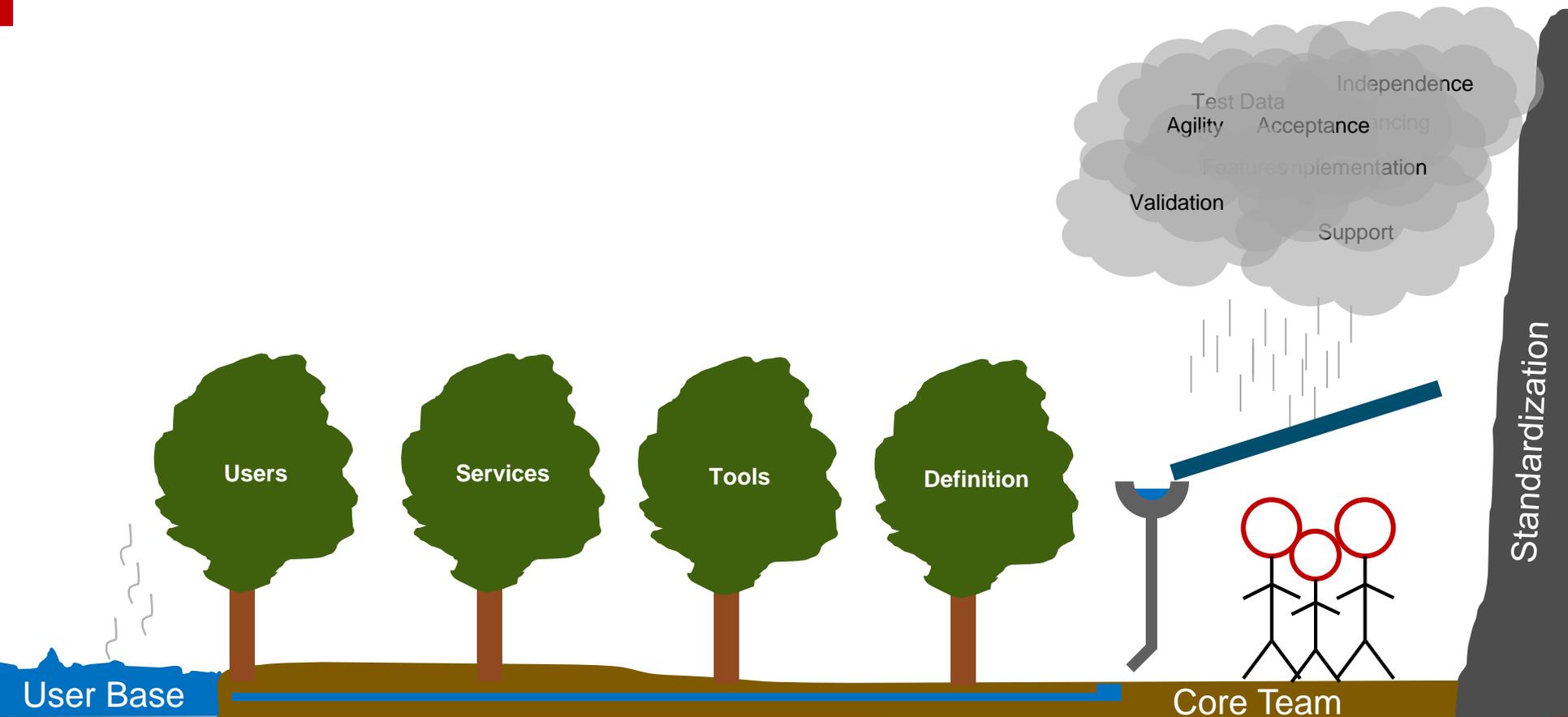
Background of our Vision

Vision
The Challenges

Solution A

Independence

Test Data

Agility   Acceptance   ancing

Features   Implementation

Validation

Support

Standardization

User Base

Core Team

Our Way

Independence

Test Data

Agility   Acceptance   ancing

Features Implementation

Validation

Support

Standardization

Users

Services

Tools

Definition
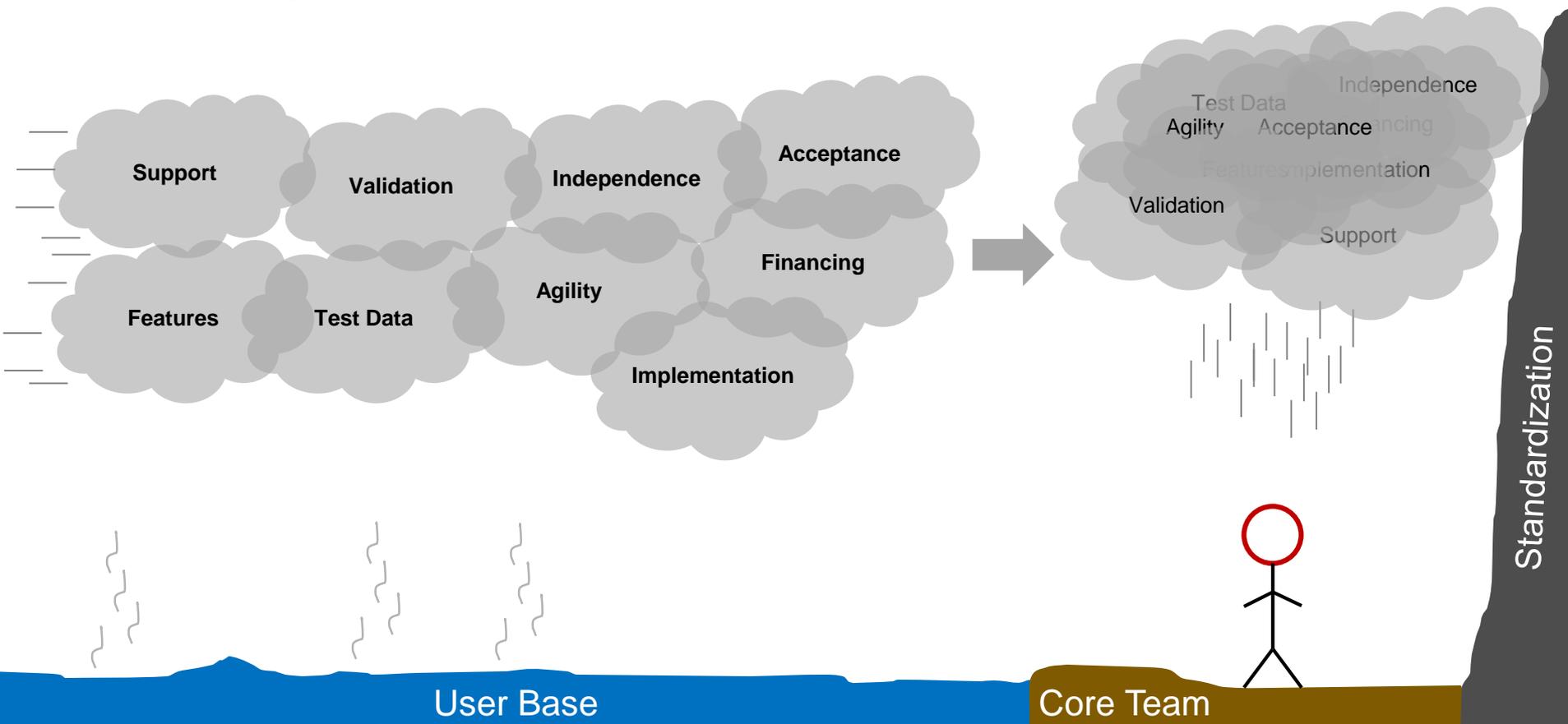
User Base

Core Team

Therefore...

Transfer of OpenDRIVE
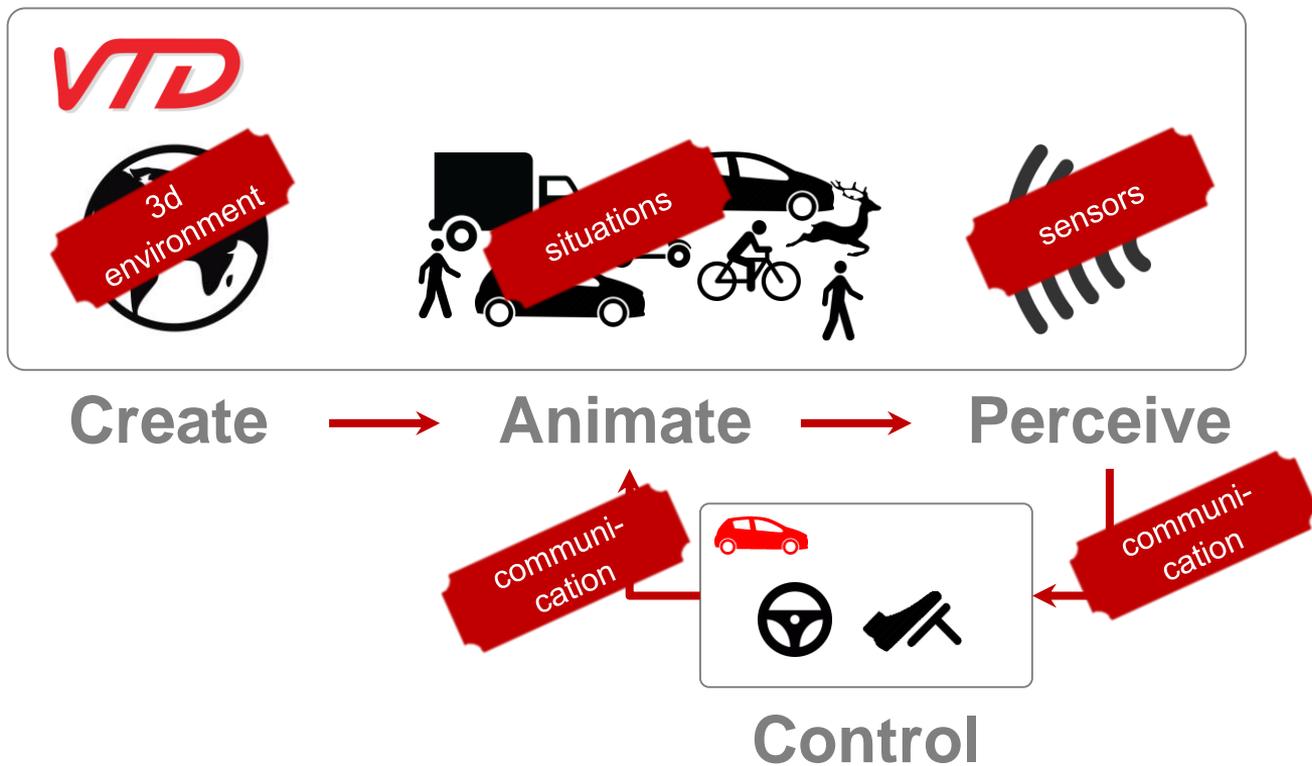
Transfer of OpenDRIVE
Sept. 7th, 2018

Environment Simulation

Standards Make Life a lot Easier...

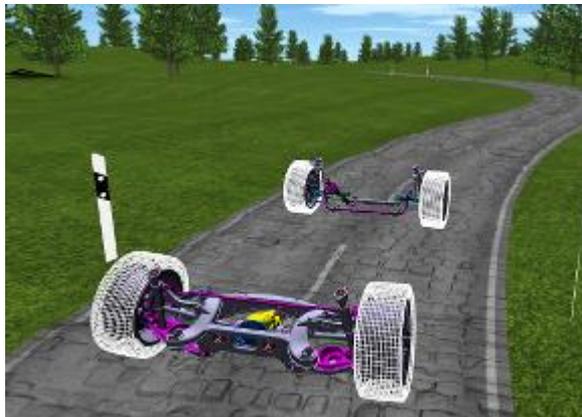# Standards for Environment Simulation
Application

Standards for Environment Simulation

Open*DRIVE*
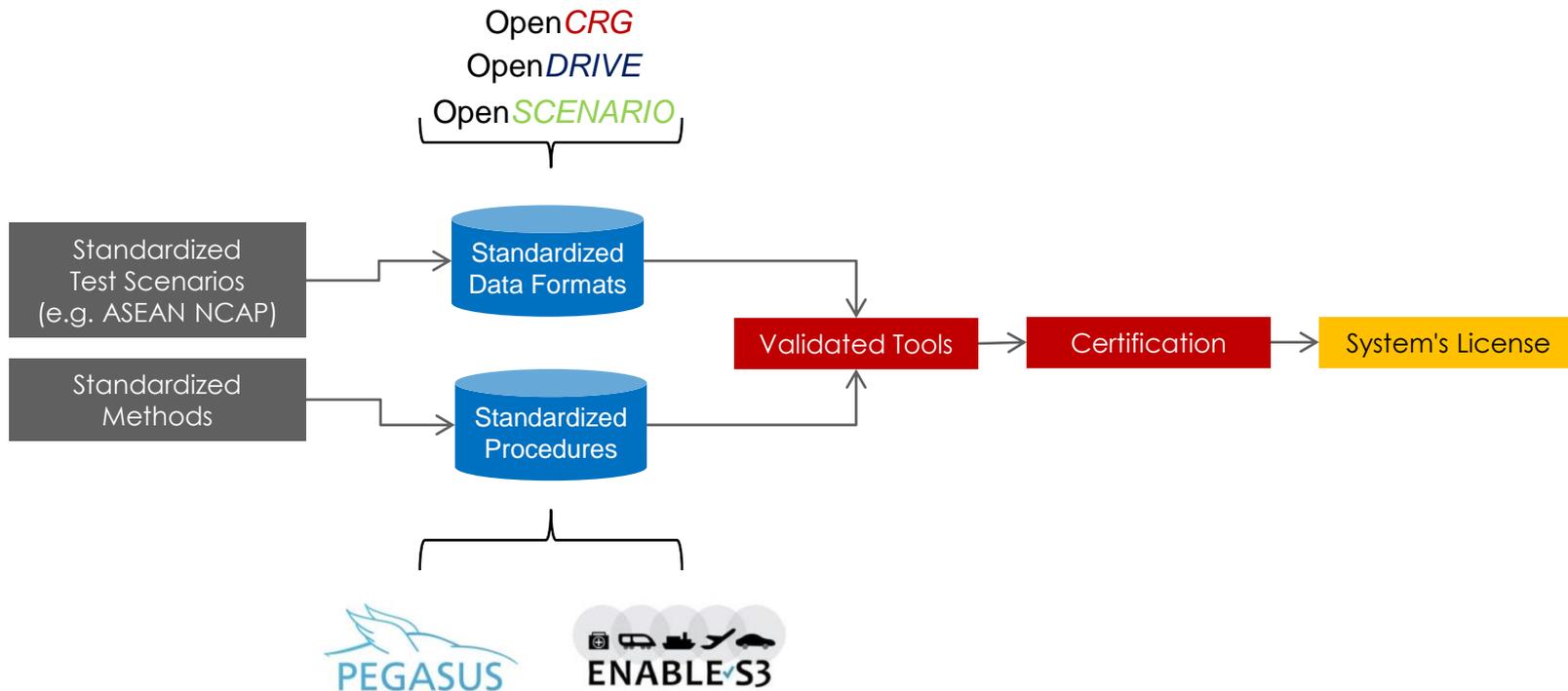
Open*CRG*

Open*SCENARIO*

network
2006+

surface
2008+

maneuvers
2016+

Static Content

Dynamic Content

Simulation-Based Certification
Standards and Validated Tools Required!

OpenCRG
OpenDRIVE
OpenSCENARIO

Standardized Test Scenarios (e.g. ASEAN NCAP) → Standardized Data Formats

Standardized Methods → Standardized Procedures

Standardized Data Formats / Standardized Procedures → Validated Tools → Certification → System's License

PEGASUS ENABLE·S3

Standardization

There's more than the definition

Handling Standards

Definition   vs.   Implementation

Conclusion

Standards for Environment Simulation
12 years in the making...

Our Rulebook

ACT
- **Standards will only gain momentum if someone takes the lead**

CO-OPERATE
- **Invite and include interested parties**
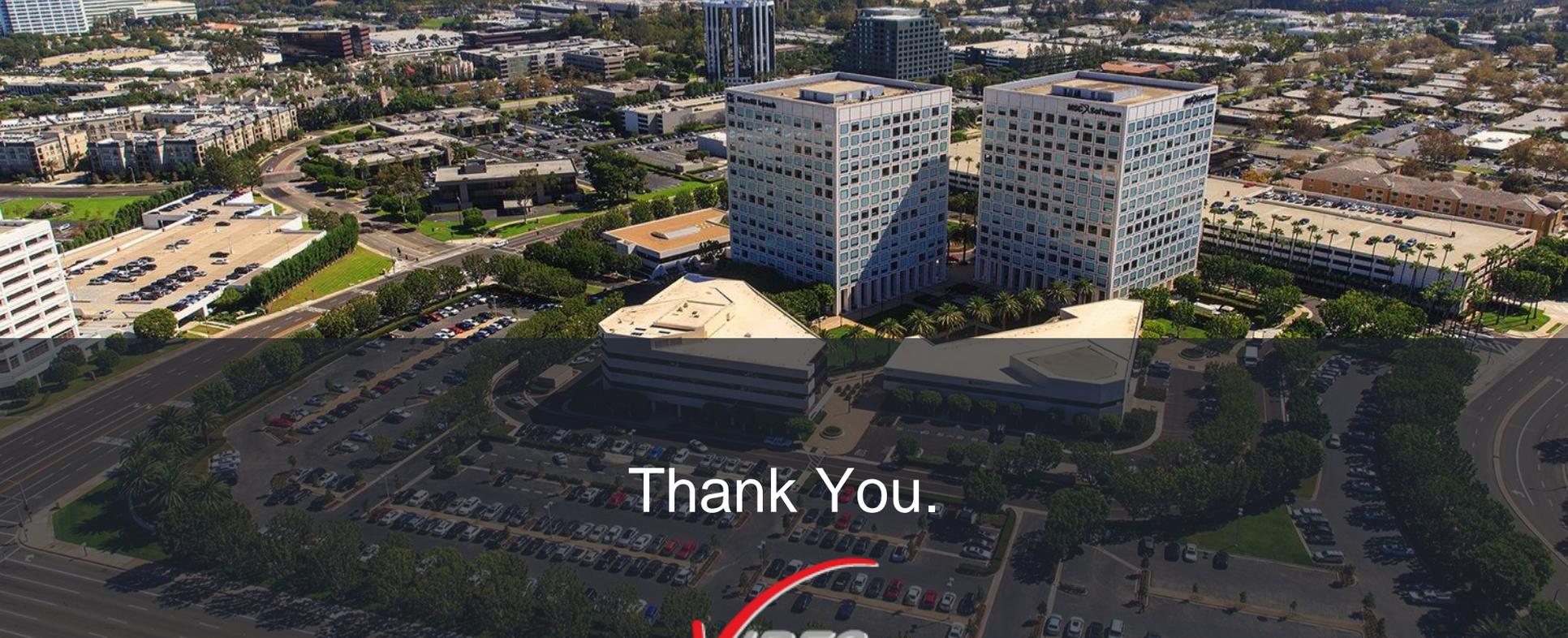
IGNORE
- **Ignore your company's short-term interests**

FOCUS
- **Standardize in batches that can be handled and maintained**

CREATE
- **There's a whole universe left to be standardized!**

Thank You.