



Elevate your PLM Automation Testing

➔ **AI Driven Test Automation**

www.altegra.se



ALTEGRA

CONSULTING AB



***Our Mission:** “We assist customers to improve quality and efficiency in the product lifecycle and related domains.”*

25+ PLM Consultants in Sweden



21

YEARS OF
EXPERTISE



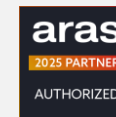
25+

EXPERT PLM
CONSULTANTS
IN SWEDEN



SIEMENS

SIEMENS PLM IMPLEMENTATION
PARTNER



ARAS

AUTHORIZED
ARAS PARTNER

What We'll Cover Today

01

Business Challenges

What Breaks A PLM Solution

02

Testing's Role in PLM Implementations

Why quality gates matter at every stage

03

TestSigma Platform

AI-powered Test automation for complex products

04

Test Sigma Live Demo

A Teamcenter – Active Workspace Evaluation

05

Business Value & Next Steps

Measurable ROI and how to get started

What We'll Cover Today

01 TestSigma Live Demo

A Teamcenter – Active Workspace Evaluation

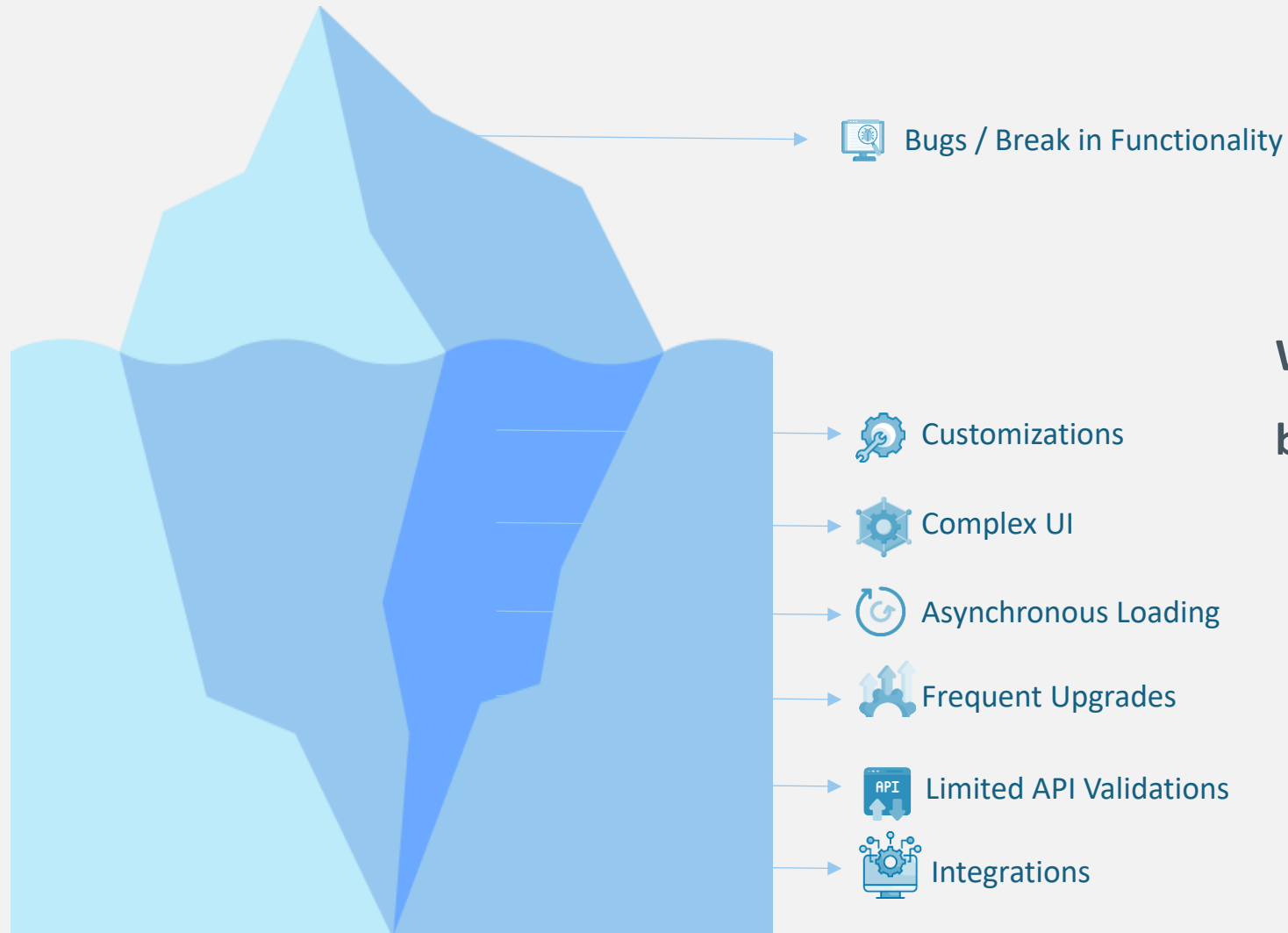
02 Azure DevOps Integration with TestSigma

Demonstrated by Test Sigma Team

03 Open Discussion

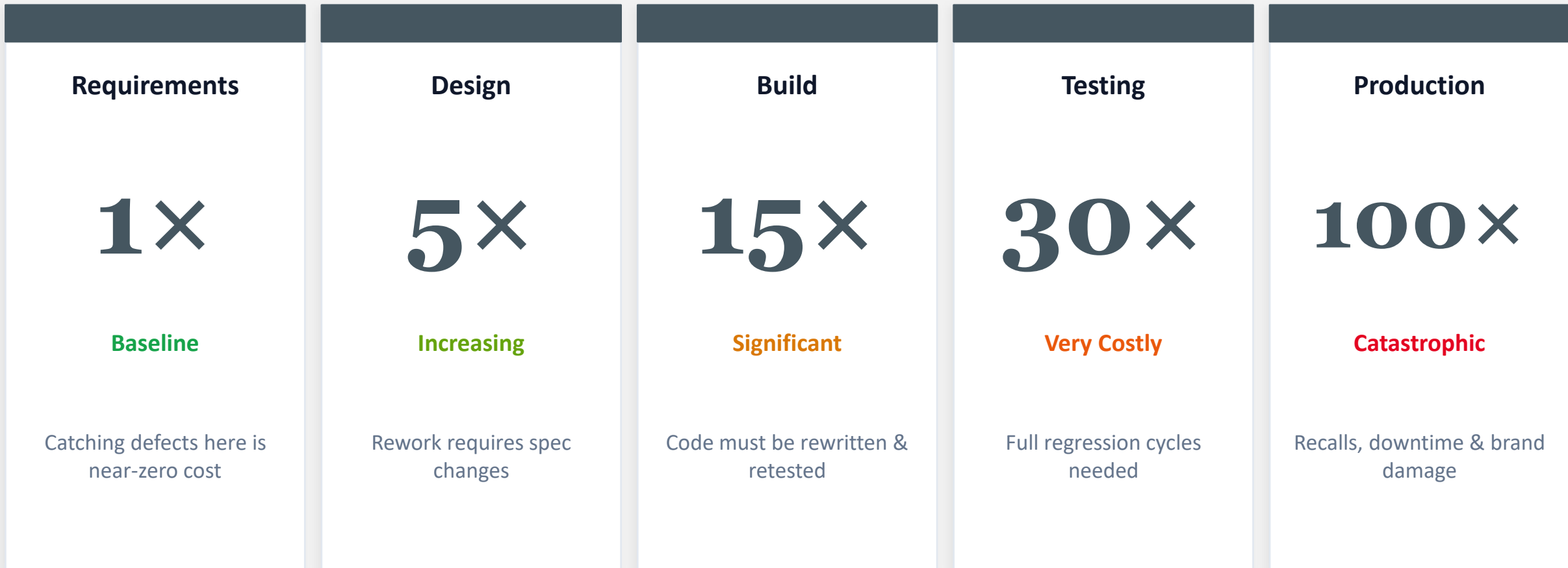
Additional Questions and Answers

Business Challenges in Testing PLM Solutions



**What breaks PLM isn't the visible bugs,
but hidden complexity beneath it**

Cost of Defects Grows, The Later They're Found



Aras PLM - Testing Gap

Every new system added to the Aras’s landscape widens the test surface — and most of it is still covered manually

WHY THE GAP GROWS

Aras PLM landscape is never alone

- Mergers & acquisitions bringing legacy PDM, Req, and ERP systems
- New Aras applications and modules (Digital Twin, Quality, MPP...)
- Third-party integrations via XPLM, REST/OData, MCAD connectors
- In-house extensions: custom ItemTypes, Methods, workflows, forms
- Platform upgrades on Aras, ERP, CAD and OS infrastructure

THE ARAS DIGITAL THREAD SURFACE



Every node adds integration points and regression paths — and every upgrade puts them all at risk

THE RESULT: Most regression testing stays manual. Upgrades get postponed. Custom Methods break silently. Integration bugs reach production.

WHAT WE AIM FOR

01

Avoid Coding

Domain experts author tests in plain English — no scripting, no coding

02

Aras UI + API Coverage

Regression tests on forms, workflows & the REST/OData API on every build

03

End-to-End Integrations

Validate data flows across Aras, ERP, & custom Integrations

04

Upgrade Confidence

Replay full regression in hours — de-risk every Aras platform upgrade

How Test Automations Transformed Organizations

Benefits that improve speed, quality and cost



01

Faster Development

Automated regression frees engineers from repetitive checks so releases ship on shorter cycles.



02

Cost-Effectiveness

Upfront investment pays back through reduced manual QA hours and fewer production defects.



03

Better Accuracy

Machines execute the same test the same way every time — no missed steps, no human fatigue.



04

Faster Feedback

Developers see test results within minutes of a commit, catching regressions before they spread.



05

Simpler Regression

Full regression runs become a one-click operation, so upgrades and refactors stop being scary.



06

Parallel Execution

Run hundreds of tests concurrently across browsers and environments — coverage without the wait.

THE BOTTOM LINE: *Test automation improves speed, quality and cost — compounding value with every release*

How AI Boosts PLM AutoTesting — A Step Further

AI capabilities that take test automation beyond scripted playback



01

Test Scripts in Natural Language

Write tests in plain English — no coding bottleneck, domain experts can contribute



02

Visual Verification & Testing

AI-powered visual diffs catch layout, rendering and styling regressions the DOM can't see



03

Robust UI Element Locators

AI identifies elements contextually — surviving form redesigns



04

Auto-Healing Test Scripts

Tests adapt to UI changes automatically — dramatically reducing maintenance overhead

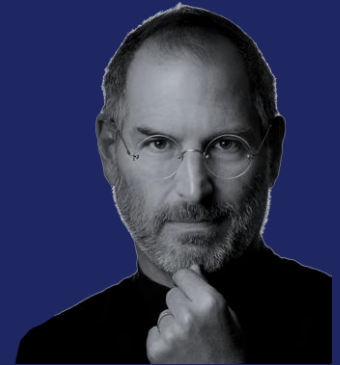


05

Auto-Identify Corner Cases

AI surfaces edge cases humans miss — boundary values, rare flows, unusual data combinations

“



A lot of times, people don't know what they want until you show it to them.

STEVE JOBS

Co-founder, Apple

One Unified Platform. Every Test Type. Zero Complexity.



AI-Powered Test Authoring

Write **tests in plain English** — no coding required. AI suggests and auto-heals tests as your UI changes.



Web & API Testing For Multiple Systems (PLM, ERP..)

Single platform covers **all test types** ***WEB/API** across the enterprise landscape



CI/CD Pipeline Integration

Native connectors for **Jenkins, GitLab, Azure DevOps and many** — tests run automatically on every commit.



Requirements Traceability

Link every test to a **requirement** for full PLM coverage, change impact analysis, and audit readiness.



Real-Time Analytics

Live dashboards showing test coverage, pass rates, defect density, and risk hotspots across teams.



Secure Cloud & On-Premise Deployment

Deploy on your own infrastructure or secure cloud — designed for regulated energy environments. (**SOC2, GDPR Compliant**)

IMPLEMENTATION PARTNER

ALTEGRA



testsigma

Implementation partner delivering TestSigma across Nordic enterprises

TRUSTED BY OUR  **aras** CUSTOMERS IN SWEDEN

LIVE



DeLaval

Global leader in dairy farming solutions



MYCRONIC

Mycronic

Precision technology for electronics manufacturing

ALTEGRA

DEMO

