



AUTOMATED REGRESSION TESTING:

SHORTEN PLM DEPLOYMENT TIME & RELEASE PRODUCTS TO MARKET FASTER

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AGENDA

- ❑ Introduction
 - About Novo PLM
 - About Sconce Solutions

- ❑ About Automated Regression Testing
 - What is it?
 - What do we test?
 - How much time can be saved?
 - Why automate your testing?

- ❑ Customer Success

- ❑ Q&A

WHO ARE NOVO PLM & SCONCE SOLUTIONS?



NOVOPLM
SOFTWARE & SUPPORT
PLM, CAD, IoT

PLM SERVICES
PTC Worldwide
Services Partner

SCONCE

ENFINIO
UNIQUE I.P.
Shape-Based Search
Automated Regression Testing

Backed by
Basil Partners

Our Partners



WHO IS SCONCE?



Leading provider of turnkey consulting and project implementation services in the PLM space

PLM/ALM Services

- PLM value roadmap
- Business process consulting
- Value based PLM implementations
- Legacy systems consolidation & data migration
- PLM platforms & development support

Enterprise Tech. Services

- Design re-use solution
- Automated Regression Testing solution
- PLM-ERP integrations
- Performance & health monitoring
- Custom product design automation solutions

Managed Services & IoT

- Managed Services for PLM systems
- Cloud deployment solutions
- Consulting & migration to cloud based systems
- Solution for connected products

Founded in
2001 by ex-PTC
R&D
employees

Venture-funded

100+ PLM
professionals
worldwide

10+
million-dollar
projects
delivered

100+ clients,
including
Fortune 1000
companies

Expertise with
multiple PLM &
CAD systems

WHO IS NOVO PLM



Leading provider of PTC CAD, PLM, and IoT software and services, specializing in industry-focused supply chain programs

Software

- PTC Software Solution: Windchill, PLM Cloud, Creo, Mathcad, Arbortext
- Shape-based Search Solution
- Global Support
- Skillaware

Training and Services

- Expert training – Online, onsite, remote
- Custom mentoring around client-specific parts and processes
- Dream Team of Interns

Supply Chain Programs

- Leverage industry verticals with supplier programs
- Focus on heavy equipment and high tech
- Both OEM-specific and general industry programs for suppliers to more than one OEM

Founded in 2015

Nationwide coverage with focus on Northeast US and Canada

Gold PTC Channel Advantage Partner

Key Novo employees have between 11 and 20 years experience in CAD/PLM.

Foundation as a successful partner in the PLM software and services space.

Network of key partners allows us to provide diverse products and services.

ABOUT AUTOMATED REGRESSION TESTING

WHAT IS AUTOMATED REGRESSION TESTING?



What it is

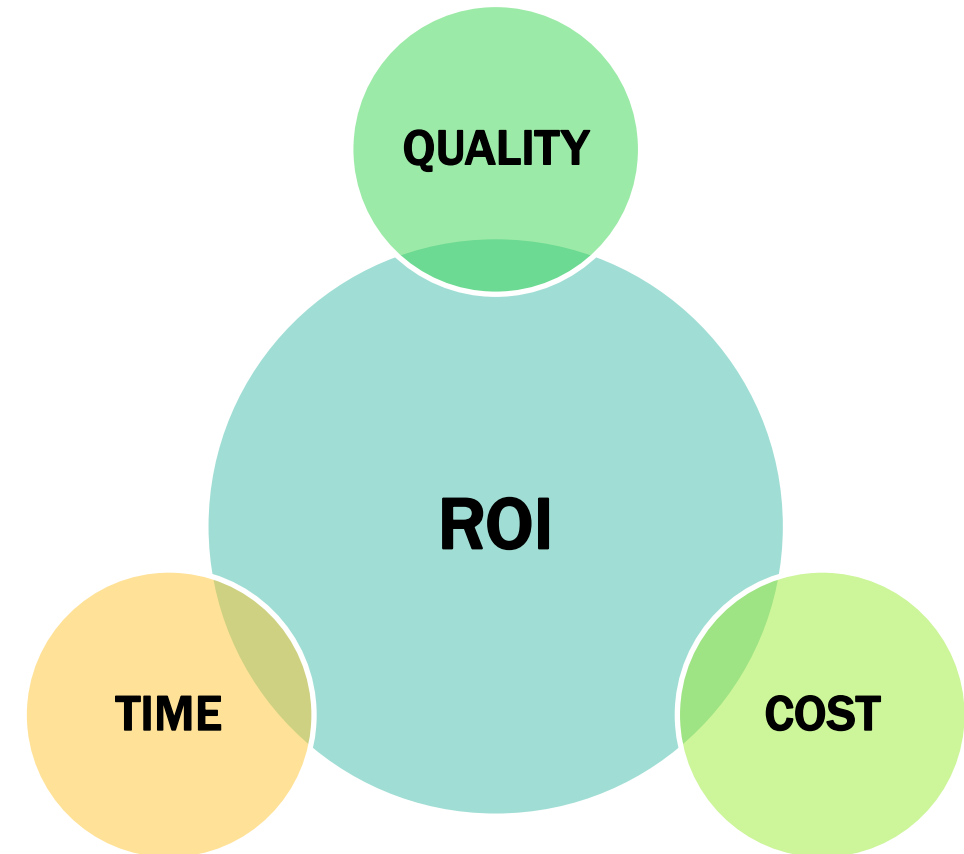
- Services Package to automate testing for Enterprise Applications (PLM & ERP)

What it does

- Enable automated testing solution
- Capture and auto execute test scripts
- Generate test reports, logs, and evidences

What it means

- Reduced testing efforts / duration
- Improved systems consistency
- Streamline quality validation process



WHEN AND WHAT TO TEST?

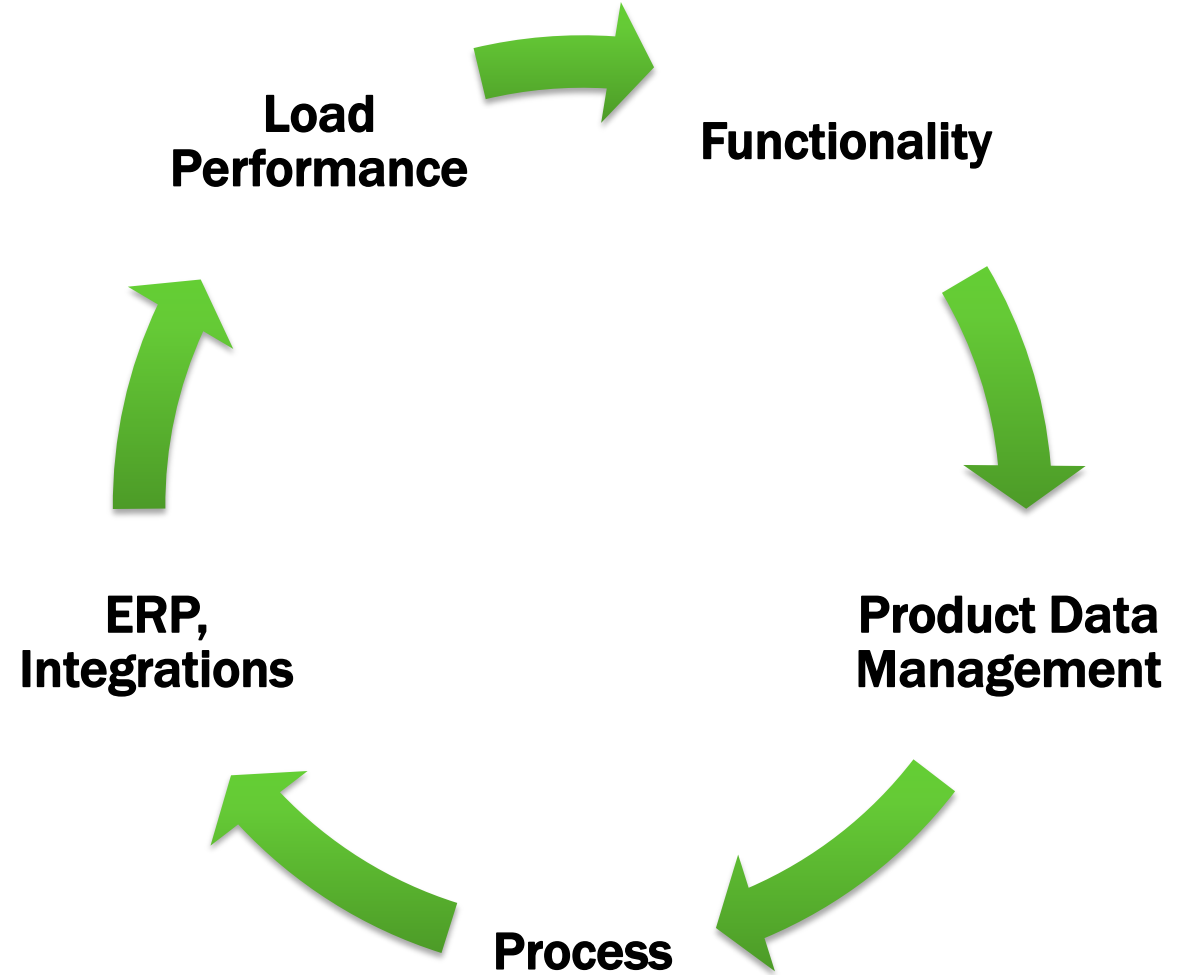


NEW DEPLOYMENT

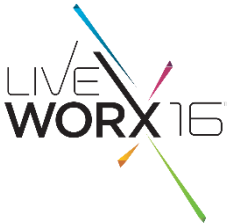
APPLICATION UPGRADES

CONTINUOUS DEVELOPMENT

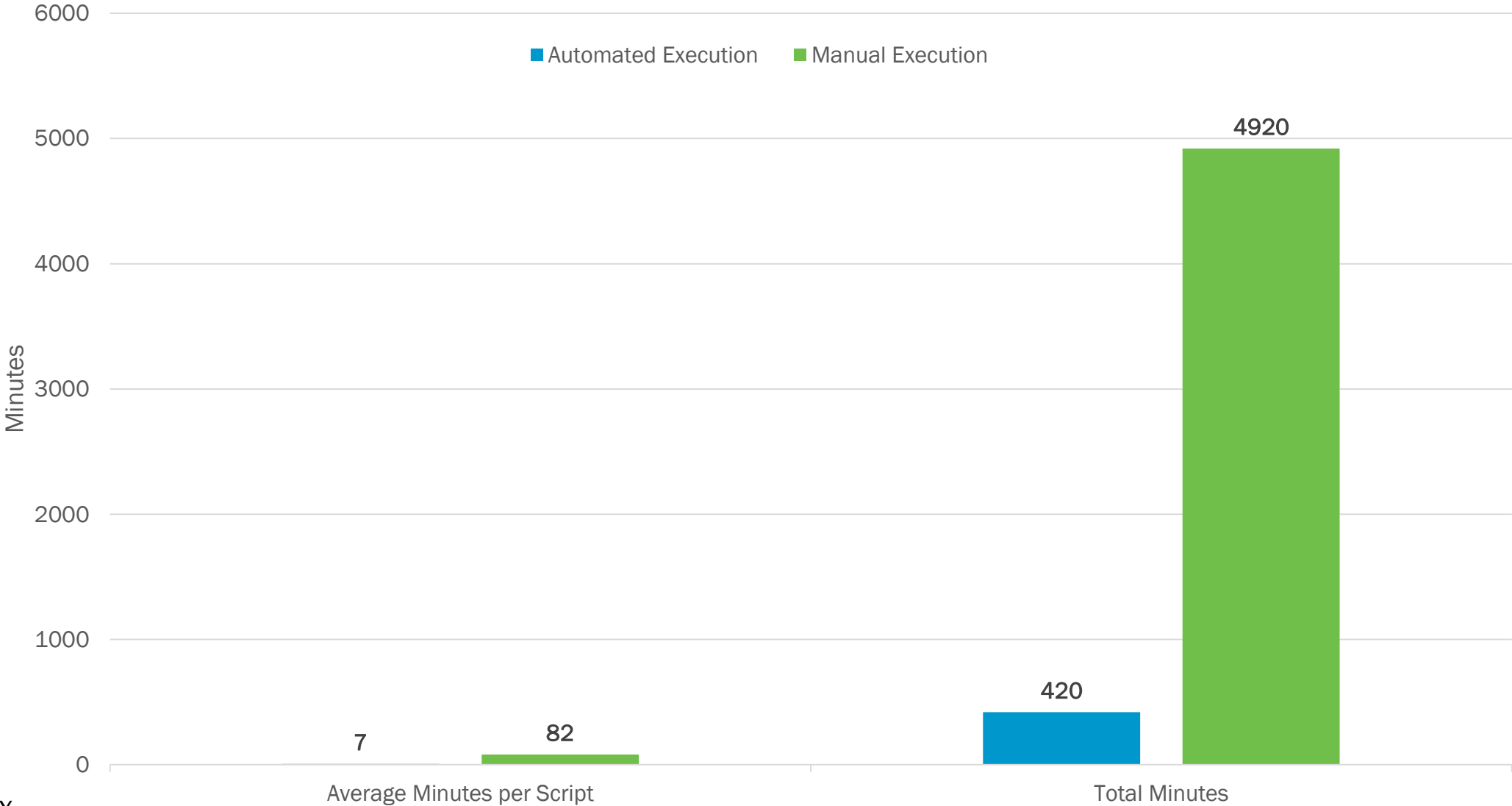
QUALITY & SECURITY



MANUAL VS AUTOMATED TESTING



Example: Manual vs Automated Testing Efforts with 60 scripts



Business Values

- Remove business users' testing efforts
- Business gain wasted/waited testing days
- Support enable solutions incrementally

IT Values

- Open framework package (non-proprietary)
- Integrate enterprise testing platform
- PLM web UI, CAD interface, ERP integration



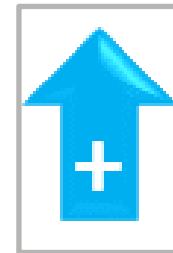
Reduce Cost –

- 80% Reduction in testing efforts
- Eliminate rework from failed deployment
- Lower support maintenance cost



System Quality++

- 100% consistency in system functions
- Capture audit records & trace logs



Productivity++

- Improved User Confidence
- Enable advanced functions
- Fewer errors/reworks in E2E process

CUSTOMER SUCCESS

CUSTOMER SUCCESS: EMEA F1 COMPANY



PLM systems test automation solution

Enterprise-wide adoption of automated validation for deployment, development and QA

Expected Results

- 75% reduction in system downtime due to rollback/rework from regressions
- 30% reduction in project time
- 50% increase in solution quality

Challenge

- Required to deploy change to solutions in 4 weeks, updates in 2 days – impossible with manual validation efforts
- Regression, rework increases system downtime and reduces productivity
- Inconsistent test reports & audit logs

Solutions

- Deployed SCONCE's automated testing solution
- Automated test scripts (PLM UI, PLM Processes & CAD scenarios)
- Deployed & validated the solution on Test & Production systems

INDUSTRY

Automotive



VALUE STREAM



Enterprise PLM



Solution Optimization

RESULTS

Reduced Product Design Time

Increased ROI

Faster Time to Market

Q&A

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The image features several colorful geometric shapes, primarily triangles and lines, scattered across the white background. A large, multi-colored triangular shape is prominent on the right side, composed of various shades of blue, green, yellow, orange, and purple. Several thin, colored lines (blue, pink, green, orange) radiate from the center towards the edges. The text 'LIVE WORX 16™' is centered in the upper half, with 'LIVE' in a thin, outlined font and 'WORX 16™' in a bold, solid black font.

LIVE
WORX 16™

TAKE A FRESH LOOK AT THINGS

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