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Every Second Counts: How Technology-Driven Efficiencies Deliver Real Cost Savings

PHUSE Mumbai SDE 2026

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Agenda

Every Second Counts:

How Technology-Driven Efficiencies Deliver Real Cost Savings

1. From Decision to Deployment – Where ROI Expands

How leadership decisions set the foundation—and how value evolves during implementation and adoption

2. Beyond Compliance – Unlocking Hidden Value in Technology Adoption (SCE)

Moving past GxP and regulatory requirements to operational efficiency, usability, and scalability

3. The Impact – ROI Analysis Across Five Key Workflows

A deep dive into where time, effort, and cost savings are realized across core operational workflows

4. Key Takeaways – Measure, Scale, and Realize ROI

How small efficiencies compound into measurable, enterprise-wide



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From Decision to Deployment

Where ROI Expands



From Decision to Deployment

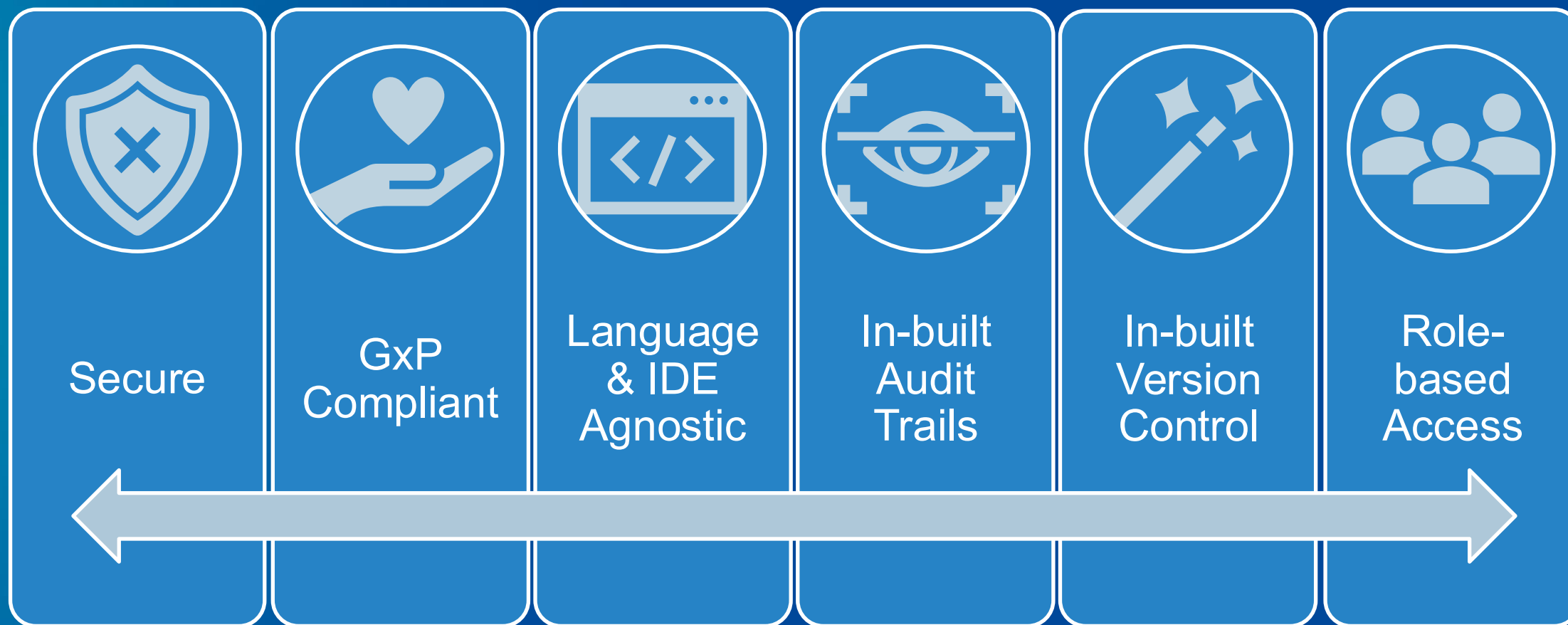
- The Problem: The One-Time ROI Mindset
 - Leadership decisions focus on compliance, security, and initial ROI.
 - Value is measured at adoption—not across the lifecycle.
 - Hidden inefficiencies continue at operational touchpoints.
- The Shift: ROI Beyond the Decision
 - Technology must deliver value at every step, not just at selection.
 - Each interaction—user access, execution, workflows, compliance—should generate efficiency.
 - ROI should be continuous, measurable, and compounding.
- The Bottom Line
 - The Unit is Every Interaction
 - The Multiplier is Every User, Every Process
 - The Impact is Continuous ROI Across the Lifecycle

Beyond Compliance

Unlocking Hidden Value in Technology Adoption (SCE)



The Foundation: What Leadership Optimizes For





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From Adoption to Daily Value: Where ROI is Realized



Application Onboarding



Study Creation & Access Provisioning



Task Assignment and Tracking



Program Execution & Submission Readiness



Traceability & Reuse



The Bottom Line: Where ROI Truly Lives

- The initial ROI is by product not manual effort
- The Decision Enables Compliance
- The Operations Drive Value
- The Impact is Continuous, Compounding ROI



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The Impact

ROI analysis across five key workflows

Application onboarding

MANUAL EXECUTION → AUTOMATED EXECUTION

Vendor driven

48 HRS

per request

EXTERNAL
TICKET

AD SCRIPTS

NO AUDIT

- IT ticket required for every change
- Manual AD/script-based setup
- No structured audit trail



SELF-SERVICE

5 MIN

provisioning



Self-Service
Portal



One-Click Setup



Auto Governance

- No IT ticket — instant access
- One-click, template-based setup
- Built-in audit & auto deprovisioning

Study Creation and Access Provisioning experience

MANUAL / DEPENDENCY EXECUTION → SELF-SERVER AUTOMATED EXECUTION

Vendor/IT driven

24-48 HRS

per request

IT TICKET

Access
Provisioning

Different
Processes

- Slower study start-up timelines
- Inconsistent governance
- Different Teams follow Different Processes



SELF-SERVICE by Study lead

5 MIN

provisioning



Self-Service
Portal



One-Click Setup



Auto Governance

- No IT ticket — instant access
- One-click, template-based setup
- Built-in audit & auto deprovisioning

Task assignment, tracking and collaboration

DISCONNECTED SILOS → ONE UNIFIED CONSOLE

Email, spreadsheets, and manual logon replaced by a single integrated platform.

DISCONNECTED SILOS

- **Email-based issues** - No visibility or traceability
- **Manual tracker** - Data becomes outdated quickly
- **Login overhead** - Productivity lost every session



UNIFIED TEAM PORTAL CONSOLE WITH SCE

✓ UNIFIED TEAM PORTAL CONSOLE



ONE-CLICK SSO

URL + auto-login → directly in workspace



LIVE DASHBOARD

All assignments + status always current



IN-TASK COMMS

Issues logged on task team auto-notified



SINGLE SOURCE

All roles in one system no spreadsheets

Execution and Submission readiness

MANUAL EXECUTION → AUTOMATED EXECUTION

MANUAL TASK / BEFORE SAVING

- Check logs after every run
- Manually create & order batches
- Track inputs/outputs manually
- Investigate impact via code
- No reliable execution history



AUTOMATED / TIME SAVED PER YEAR

- Instant run status (no log checks)
- Auto batch creation & ordering
- Built-in traceability
- Instant impact analysis
- Auto-retained execution history

~5–10 mins saved
per task, across
high-frequency
activities

Traceability, Reuse, and Reporting

MANUAL RECONSTRUCTION → INSTANT COMPLIANCE HUB

Scattered logs and manual documentation replaced by one-click execution history

✕ **No central log | Manual access history |
No execution record**

- **Fragmented Logs** - No central retention; manual "scavenger hunts" for proof.
- **Manual Audit** - Evidence is rebuilt, not retrieved, for every submission.
- **Zero Run-History** - Troubleshooting relies on memory rather than data



TRACEABILITY HUB

Data lineage | Audit trail | Execution history



One-Click Execution History

*Who ran what, when, on which data
Exportable instantly for HA queries*



Immutable Audit Trail

*Every action auto-recorded
VSR generated on demand*



Historical Run Replay

*Click any past execution
View inputs, outputs and log*



Access Governance Reports

*Full access history available
in minutes — not hours*



Key Takeaways

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Measure the task, then scale

- Measure “before vs after” per task
- Apply ROI formula to scale
- Replace intuition with data



Small gains are not small at scale

- 5 mins/day = ~5,000 hrs/year (250 team)
- ROI = cumulative micro-efficiencies
- High-frequency tasks drive value



Methodology is the message

- Focus on reproducible approach
- Use realistic, conservative estimates
- Strong logic builds credibility



Start measuring, even imperfectly

- Pilot any one workflow (e.g. version control)
- Prioritise directional over perfect
- Early ROI unlocks investment

The question is no longer whether modern SCE platforms improve efficiency. The question is: are we measuring the value they create?

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THANK YOU!

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