Manufacturing Engineering

Manufacturing Planning

Digital Validation

Product Design

Concept Engineering

Requirements and Planning

Teamcenter Rapid Start Implementation, Customization, Upgrade & Training

By

FaithPLM Solutions

Simplifying Complex Enterprise…

Pune, India

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Teamcenter Rapid Start

Its high time for SMEs to start embracing PLM solutions!

Get Started with Teamcenter Rapid Start PLM to **sustain** the **business growth and expansion** in competitive world
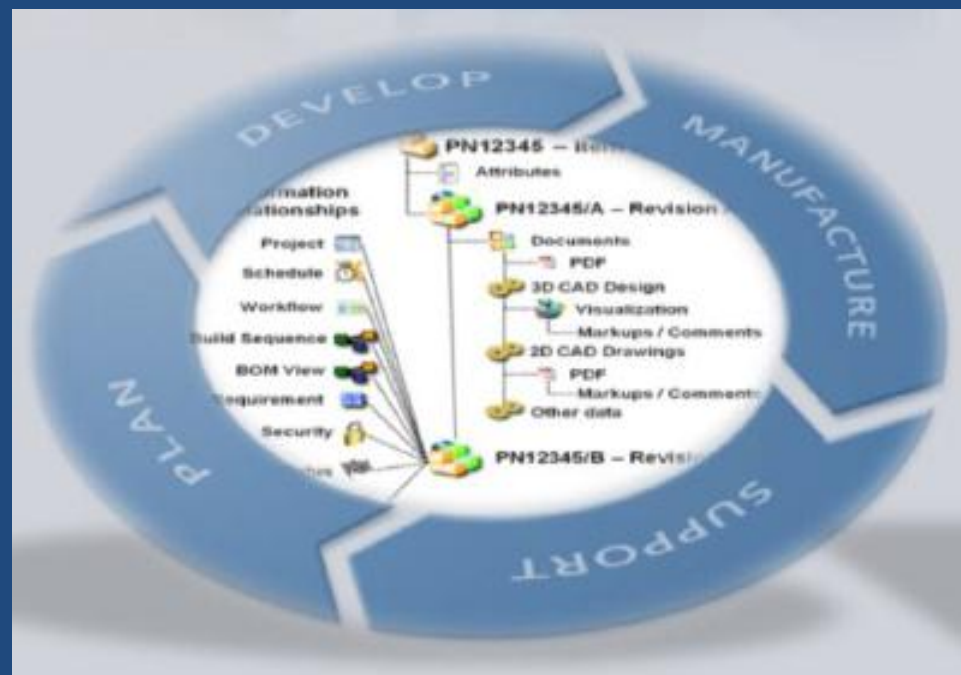
By

Improving

Processes, Productivity, Profit, ROI and product complexity with lean methodology.

Contents

About FaithPLM

FaithPLM is an engineering solutions and product development company focusing on product lifecycle management solutions using **SIEMENS Teamcenter PLM**, run by a team of multi disciplinary experts having in-depth expertise and experience in delivering cost effective quality solutions to customers across the globe.

We offer full range of PLM services from functional consulting, implementation, integration, data migration, upgrades, performance tuning, health check-up, supports, training and resources.

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End to End PLM Solutions

FaithPLM Solutions integrate the real power of SIEMENS PLM into customer business with the help of in-depth industry domain knowledge and the unbeatable expertise and experience in the application of PLM to develop and deliver solutions to address customer business processes and data management challenges.

Our Offering :

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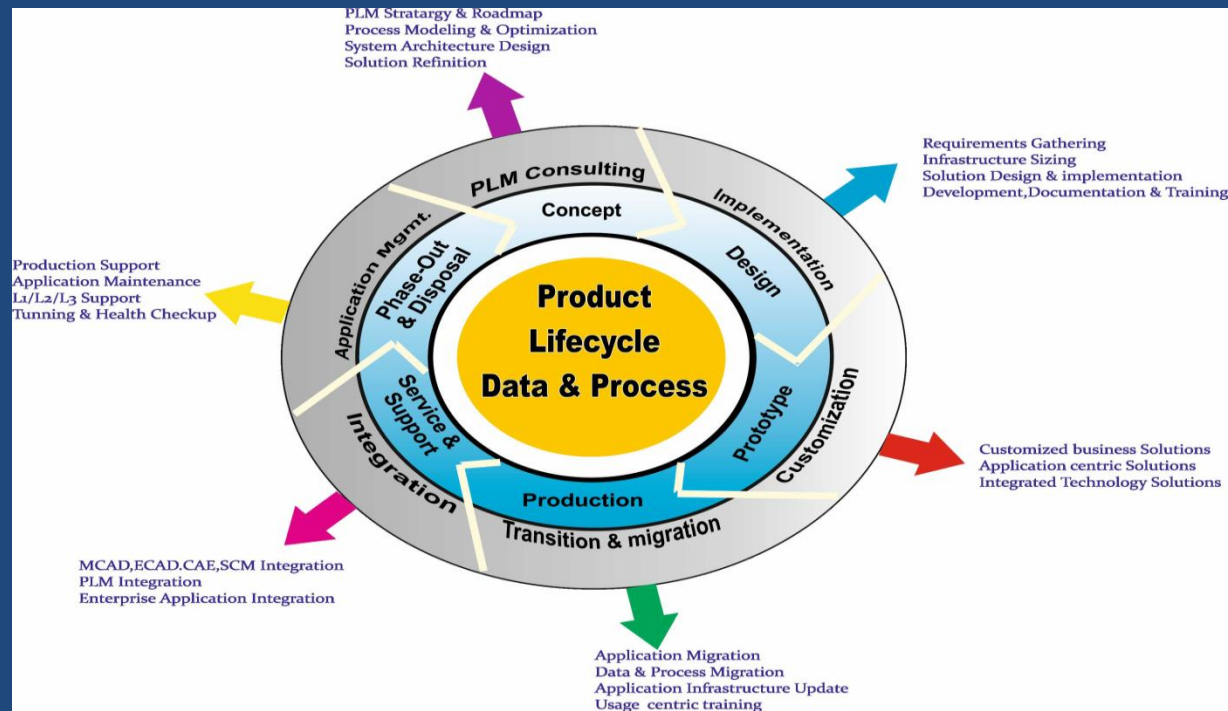
Challenges faced by SME's as they Grow

- ❖ How to manage revisions, releases and data like Solid Edge/CAD data, customers' AutoCAD drawings, PDFs, quote documents, conceptual drawings, pictures and other background material?
- ❖ How to ensure various files are secured and traceable?
- ❖ How to reduce the time spent on non-value added tasks?
  - ❖ Because information is kept in various places and searching is very difficult
  - ❖ Manually creating spreadsheet parts lists that is independent of CAD
  - ❖ Different part naming conventions
- ❖ How to avoid components duplicated in design and stock?
- ❖ How to avoid rekeying information to do with drawings, bills of materials (BOMs) and change notes?
- ❖ How to ensure compliance with best practices and regulatory requirements?
- ❖ How to involved customer efficiently for design reviews throughout design process?
- ❖ How to ensure consistency of information and people are working single, integrated and synchronized BOM?

Challenges faced by SME's as they Grow

❖ How to enable electronic distribution of documents across the enterprise?

❖ How to rationalize the use of standard parts and enable more and more reuse of design?

❖ How to address Customers' demands for fast delivery, enhance efficiency with decrease number of defects?

❖ How to reduce error in the engineering release process?

❖ How decrease the time needed for design changes and production model?

❖ How to reduce downtime on the manufacturing floor due to the design defect?

❖ How to reduce overall lead time and achieve desired quality at minimum cost?

❖ And many more challenges on data and process management in traditional system

Teamcenter Rapid Start addresses above challenges very effectively and efficiently at lower TCO!

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What Is Teamcenter Rapid Start

➢ **A preconfigured Teamcenter ® Software with important business objects, workflow templates, roles, reports and other industry specific data considering the generic business functionalities of organizations .**
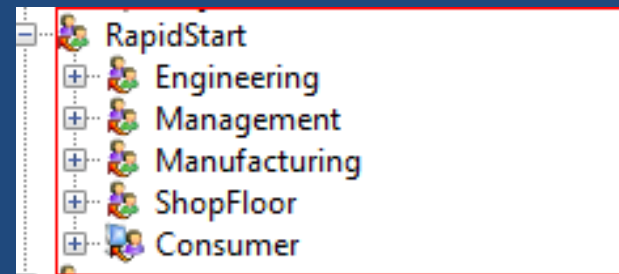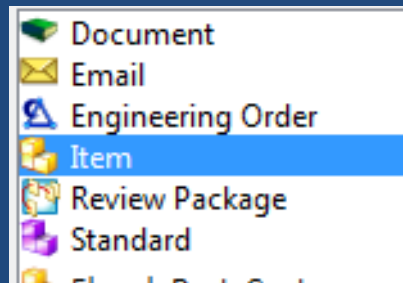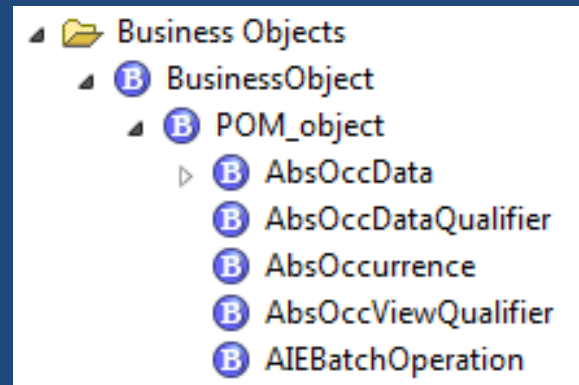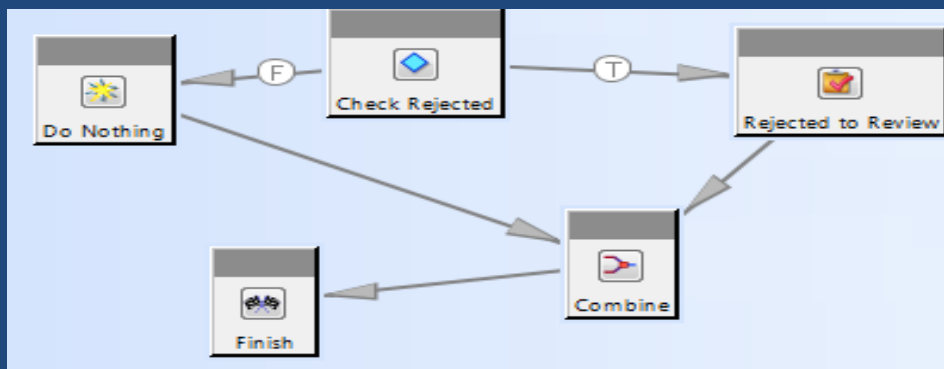

➢ **It is an already deployed solution in Teamcenter with improved user interface and is ready to use.**

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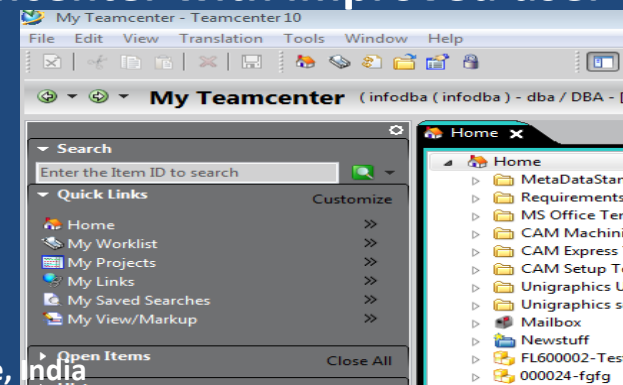
TCRS Continued

➢ Applies best practices to everyday engineering tasks and processes like design & reviews, planning, change management, NPD and data sharing etc.


➢ Addresses the most common PDM functionality needs of small and mid-sized companies.

➢ Preconfigured but still extensible

Why TCRS

➢ Unlike Teamcenter, TcRS is simple and fast to install, set up and deploy without considerable investments on implementation strategy, consultation and maintenance.

➢ A preconfigured solution considering the generic best practices of the industries to streamline the product development process by enabling businesses to quickly find, share and re-use product data.

➢ Already deployed solution makes organizations to invest less on IT infrastructure and expertise and thus reduces maintenance and consultation costs.

➢ *DEPLOY* and *OPERATE* functionality makes organization to reap benefits of PDM system for a fast return on investment and thus achieves low cost of ownership.
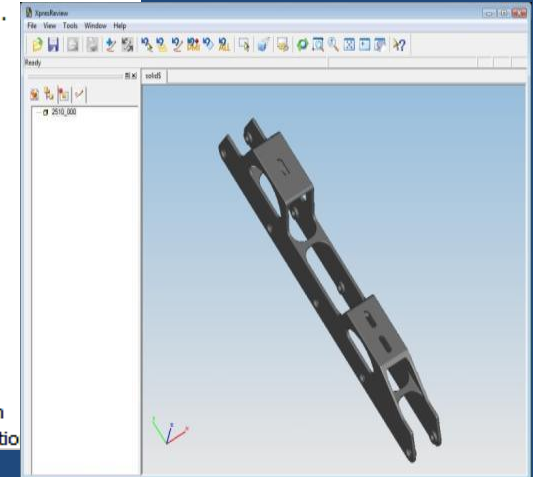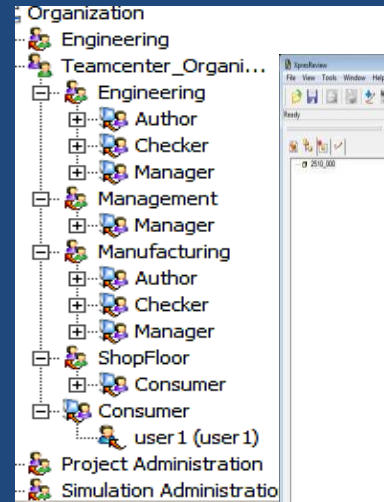
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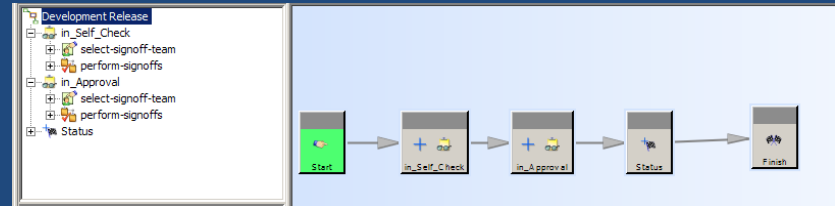# Features

➢ Single source of product data

➢ Multi-CAD data management

➢ Intelligent part numbering

➢ Document management

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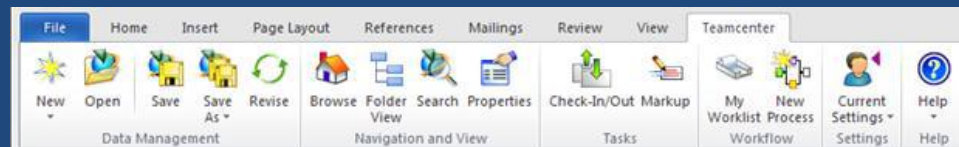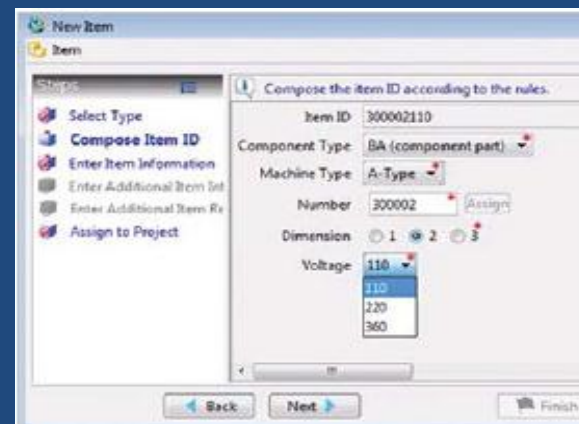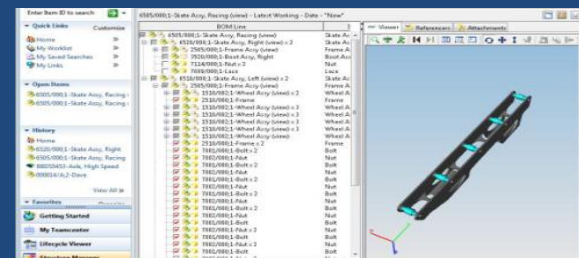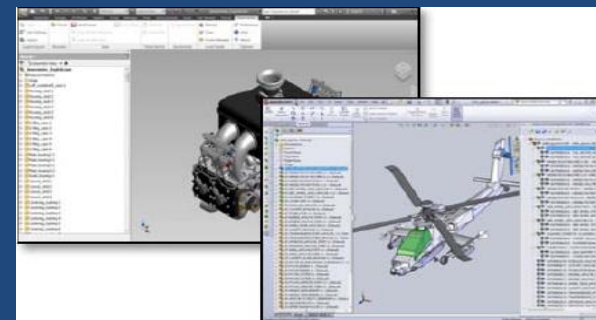
Features Continued…

- ➢ Simple process management

- ➢ Preconfigured roles and functionality

- ➢ CAD-neutral visualization

- ➢ Collaborative design review tools

- ➢ Codeless configuration

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Who should implement TCRS

➢ Small to mid-sized manufacturing companies

➢ Companies with well-defined departmental workgroups

➢ Suppliers to OEMs and other product manufacturers

➢ Existing Teamcenter Express Customers

Why should implement TCRS

Its high time for SMEs to start embracing PLM solutions to Improve
- Processes
- Productivity
- Profit
- ROI
- Complexity with lean methodology

To sustain the business growth and expansion in competitive world SMEs are in dire need of lower TCO solution to address data and process management challenges!

TCRS has pre-configured environment and business model to manage, find and share information in real time which enable true PLM environment at reduce cost!

PROCESS IMPROVEMENT

TCRS Key Offerings...

CAD Management: *Access Control, Automatic Version/Revision, Structure, Auxiliary files, Advanced search, Attribute synchronization and many more.*

Document Control: *Access Control, Automatic Version/Revision, relation to product design, MSO (Outlook, Exel, Word, PowerPoint) integration,*

Release Management: *Electronic process, repeatable process with statuses*

Data Security: *Complete control on access, Security access based on role/group/project,*

Change management: *End to end change management, audit tracking, track progress and completion of work*

Project management: *Schedule management, resource management, costing and budgeting, project execution*

Requirement Management: *Manage product requirement, link to product design, reuse existing requirement, define right specification*

TcRS Deployment

FaithPLM

Project Feasibility

→ **Standard Services SOW**

- - → **Requirements Outside Standard SOW**

Customer Business Needs → **Pre-configured environment with business model TcRS Installation** → **User Acceptance Testing**

Data Migration   **Multi-CAD**

Codeless/Codefull Customization

Go Live !
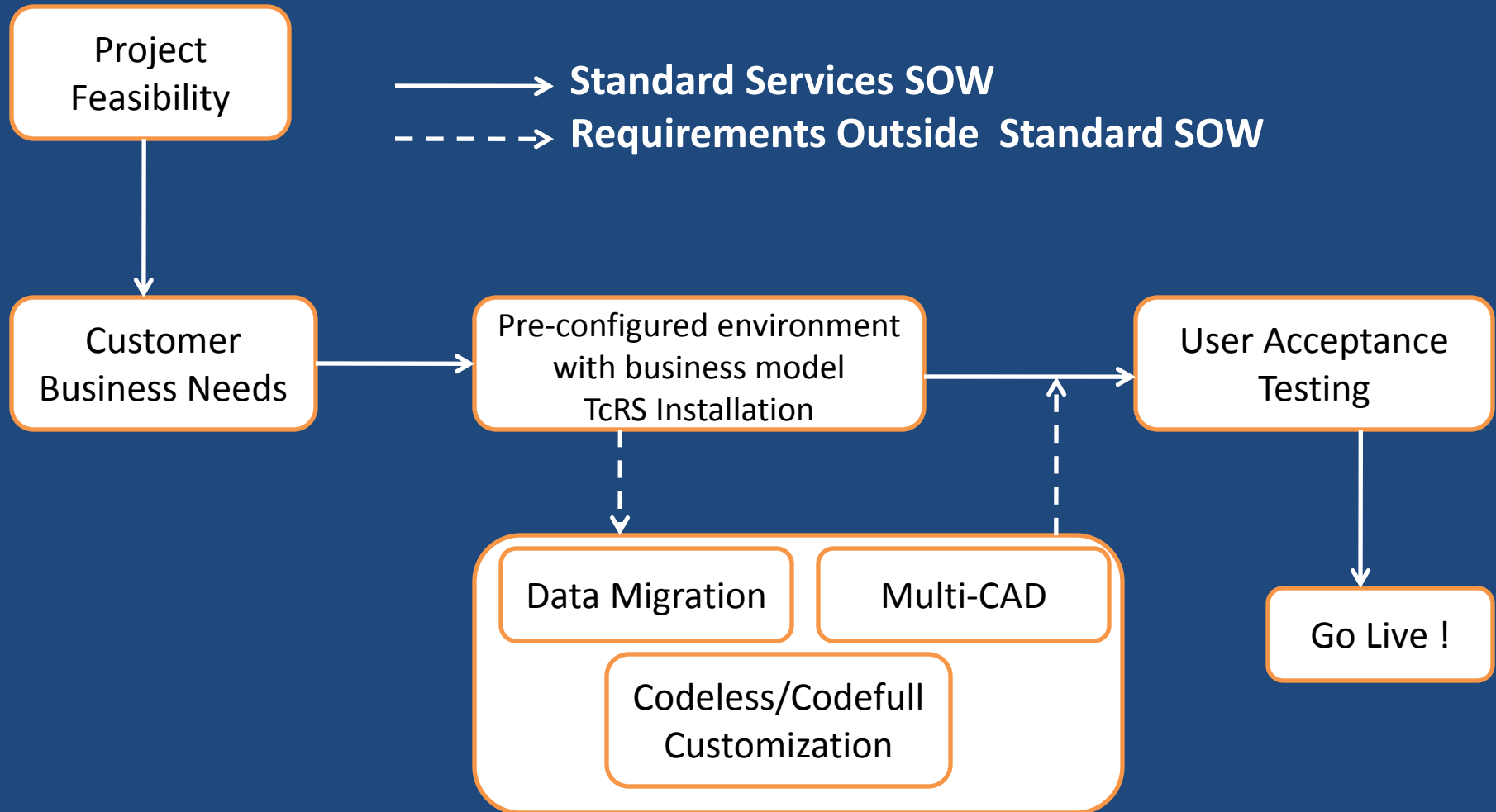
Deployment Continued
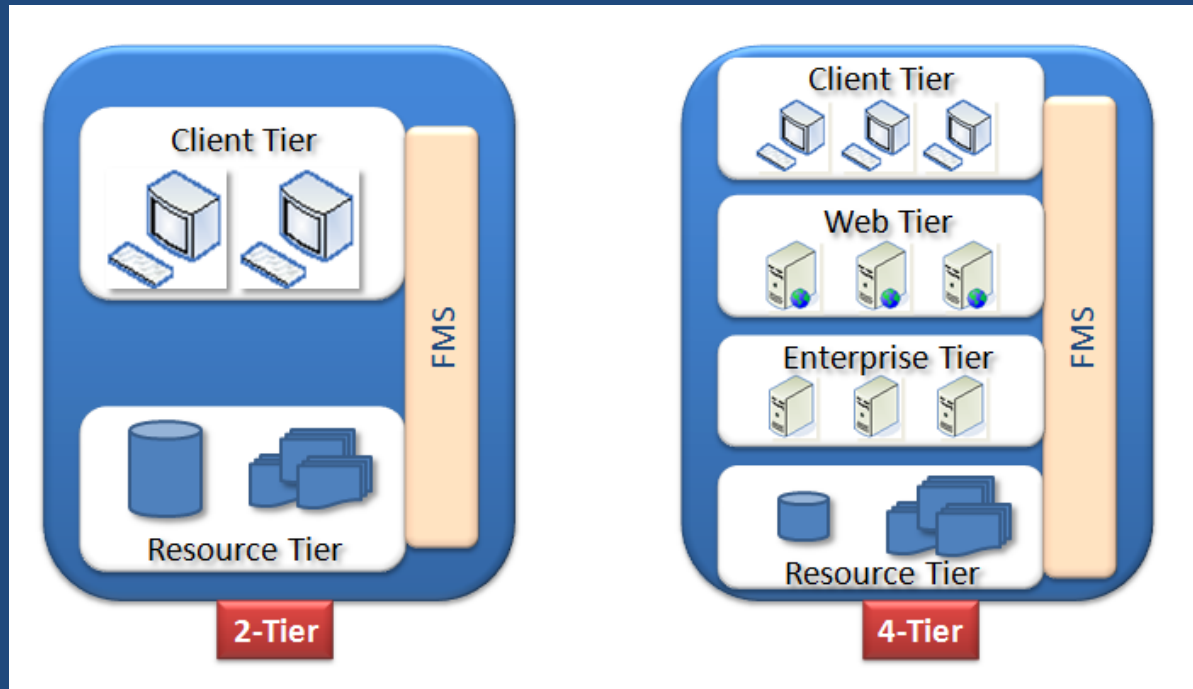
Standard Deployment Practices

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Integrations

Integration Suite

Upgrade to TcRS

Current Teamcenter Express Version	Upgrade Path
5.3.x	5.3.x->9.1->TcRS10.1 / 5.3.x>TcRS10.1
5.x	5.x->9.1->TcRS10.1
4.1.x	4.1.x->5.x->9.1->TcRS10.1
4.1	4.1->5.x->9.1->TcRS10.1
4.0	4.0->4.1->5.x->9.1->TcRS10.1
3.x	3.x->4.0->4.1->5.x->9.1->TcRS10.1
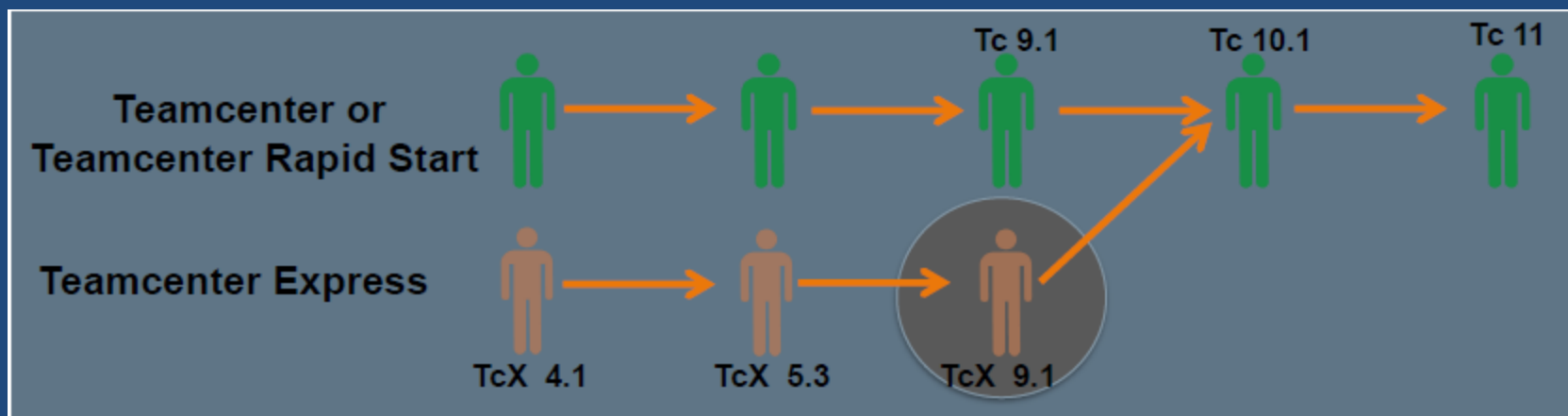
Upgrade Continued..

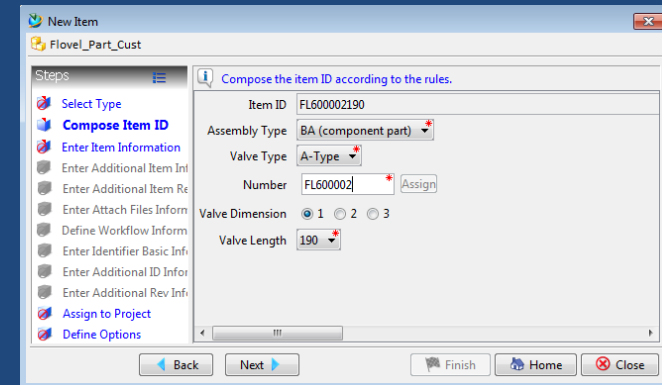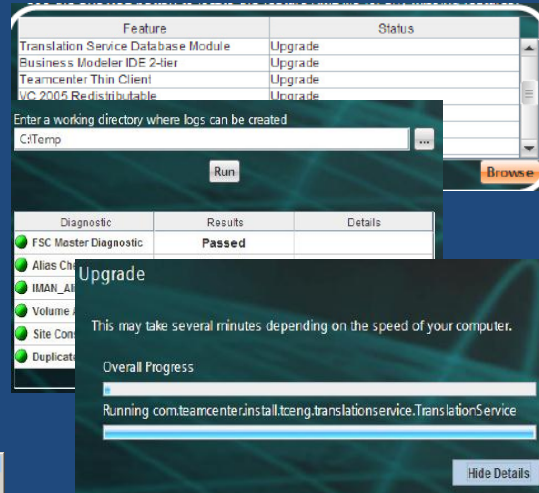Pre-Upgrade Steps → Upgrade → Post-Upgrade Steps
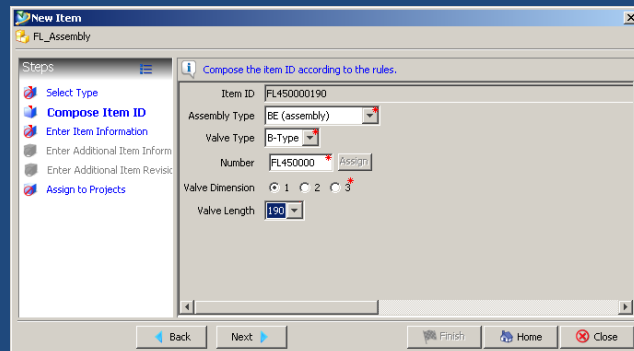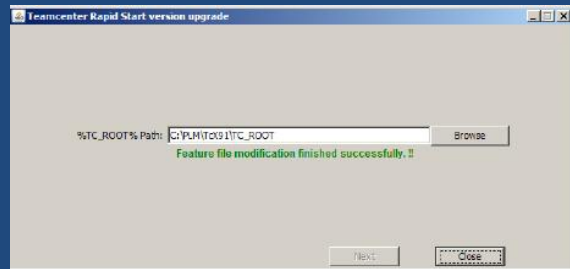
Error! Model Error: extracted_model.xml Line:26032 Column:18 "{LOV:NAME}"AAAA" is not a valid naming rule pattern.
Error! Model Error: extracted_model.xml Line:41117 Column:11 "1" must be a character.
Error! Model Error: extracted_model.xml Line:40726 Column:17 Undefined Business Object test (typeName) in TcLOVAttach Type names.

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Benefits

➢ Reduction in time spent required by designers and engineers to search data

➢ Implements a single source of shared data and common processes across different departments and different CAD systems

➢ Provides better design data visibility to product development, manufacturing and shop users.

➢ Consistently and efficiently perform design reviews with internal staff, customers and suppliers.

➢ Increase re-use of common parts and manufacturing processes.

➢ Improve management of multiple programs and projects.

➢ Minimize IT support requirements.

FaithPLM Offerings: Implementation

Requirement Gathering → Infrastructure Sizing → Installation & Integration

Gap analysis & Reconfiguration ← Testing ← Business Requirement Mapping

Training → Go Live !
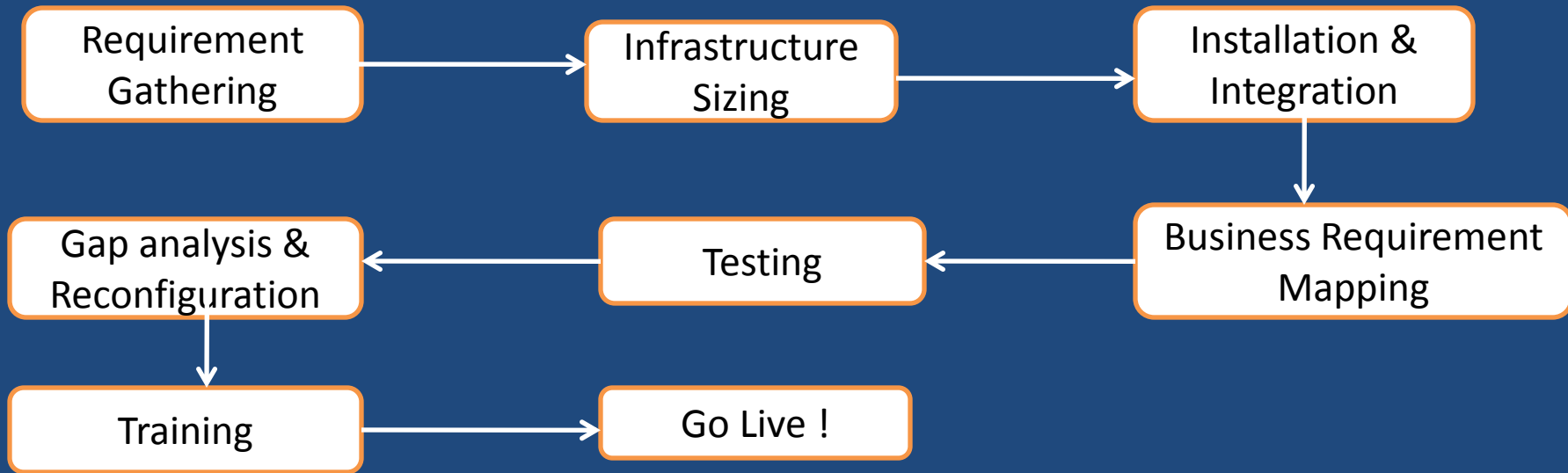
Our unique methodology ensures:
- ➤ PLM strategy based on your business strategy.
- ➤ Identification of priorities and sequences of potential PLM activities.
- ➤ Include valuable, tangible project activities that have relatively short payback at earliest stages.
- ➤ Sequence the project activities to allow later phases to leverage earlier ones.

FaithPLM Offerings: Customization

Identify customization requirement → Statements of Work (SOW) → Design → Test → Deploy
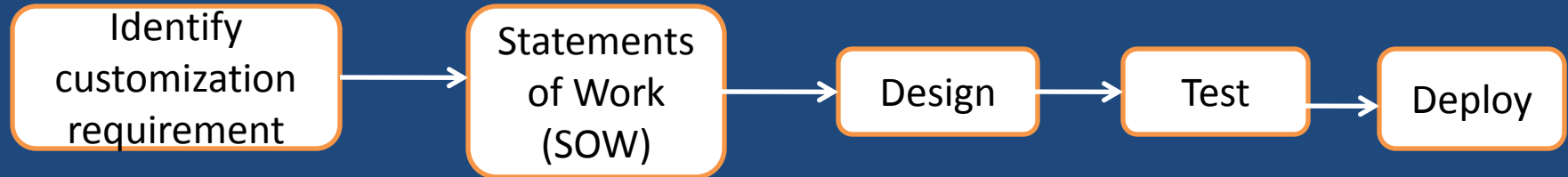
Organizations are having unique product lifecycle management requirements and while addressing these requirements Teamcenter may call customization.

With our proven mechanism we ensure blend of both codeless and code-full customization to reduce costs.

FaithPLM Offerings: Performance Tuning

```
┌─────────────────┐      ┌─────────────────┐
│  Identify the   │      │  Identify the   │
│  performance    │ ───► │  business case  │
│  issue          │      │                 │
└─────────────────┘      └────────┬────────┘
                                  │
                                  ▼
                         ┌─────────────────┐      ┌─────────────────┐
                         │  Root Cause     │ ───► │    Solution     │
                         │  Analysis       │      │                 │
                         └─────────────────┘      └────────┬────────┘
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                                       ┌─────────────────┐      ┌─────────────────┐
                                       │   Benchmark     │ ───► │    Periodic     │
                                       │  Performance    │      │  Monitoring /   │
                                       │                 │      │  Health Checkup │
                                       └─────────────────┘      └─────────────────┘
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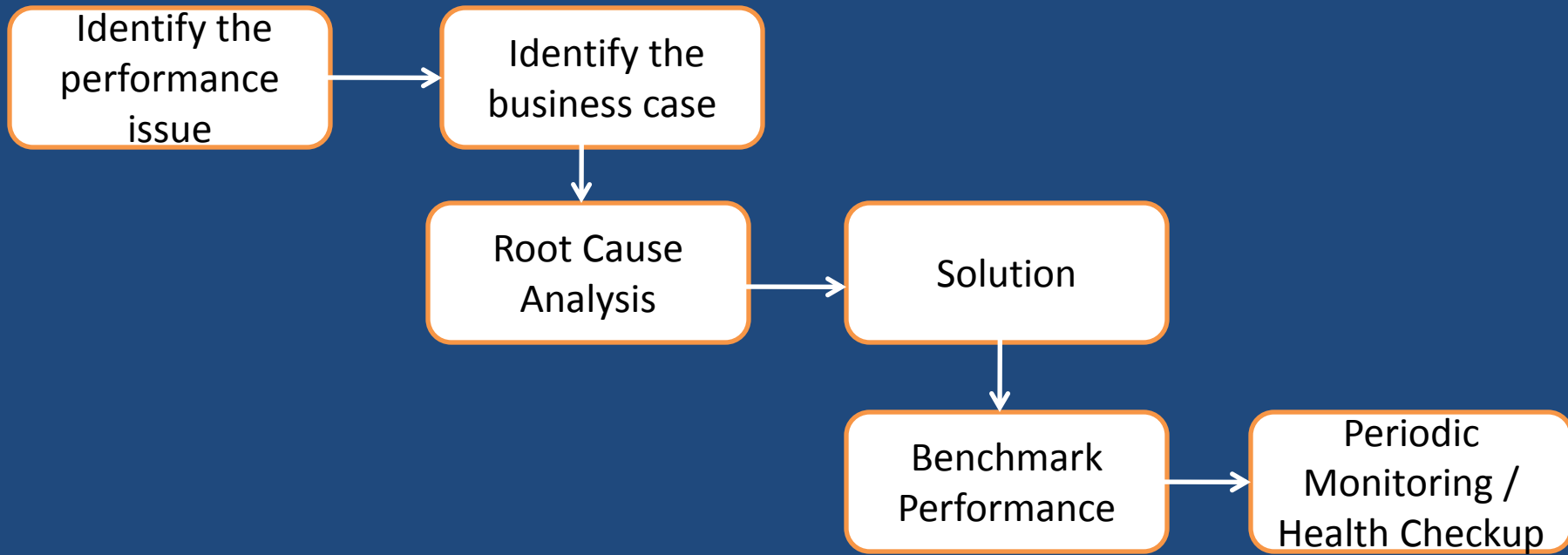
Our unique methodology ensures performance tuning at various component level in Teamcenter Infrastructure to ensure optimum performance!

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FaithPLM Offerings: Upgrade & Training

Pre-Upgrade Steps	→	Upgrade	→	Post-Upgrade Steps

We have proven experience in Teamcenter Upgrade at various sites from any prior release to expected release.

Knowledge captured in this domain help us to successfully upgrade any critical site in time at optimum cost.

Training :
- **Usage:** This covers how to use TCRS at its best
- **Administration:** This covers how to configure various solutions using BMIDE & Application Data Modelling
- **Customization :** This covers how to extend configuration by customization
- **Project Specific :** Customer centric use case training
- **Site Support:** This covers how to resolve site issues to ensure reliability and performance of TCRS.

Summery

Our Technical Expertise span across Siemens Teamcenter PLM end to end Implementation, Migration, Training, Customization and Development through which we help customer to achieve Individual, Application & IT Productivity.

Let our consultant help you on…
"Managing data and processes using set of business solutions offered by Siemens Teamcenter PLM in support of Collaborative creation, Management, Dissemination, & Use of product information across the extended enterprise from concept to end of life by integrating people, processes, business systems and information."

Thank You!

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