**Proposal for**

**Teamcenter Implementation**

**For**

**M/s. Aryan Pumps & Enviro Solutions Pvt. Ltd**

****

Date: **Nov, 2019**

Author: **Ruturaj Purohit**

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# EXECUTIVE SUMMARY

## ABOUT M/S ARYAN PUMPS & ENVIRO SOLUTIONS PVT LTD

**M/s. Aryan Pumps & Enviro Solutions Pvt. Ltd., India**, (hereafter would be referred as **ARYAN**) is one of the leading solution providers in the field of fluid handling and disaster management. With over a decade of experience and state of art manufacturing facility, its products & services are well established all over the world.

## ABOUT PROGNEUR TECHONOLIES

**Progneur Technologies** (hereafter would be referred as **PROGNEUR**) is a Global Engineering and IT services company providing services in the areas of PLM, Semiconductor & Embedded Systems. It has operations in US, UK, Germany, Netherlands and India. Progneur has been successfully providing services to global Engineering customers worldwide with high levels of customer satisfaction.

## PROJECT BACKGROUND

ARYAN has bought Teamcenter Licenses from 3M and looking for services partner to implement Teamcenter.

Currently no PLM systems are implemented nor are the processes defined in ARYAN. The activities are managed manually.

Progneur would implement Teamcenter for Aryan.

# IN SCOPE ACTIVITIES

Teamcenter implementation along with CAD integration will be carried out in ARYAN at:

* **Pune**
* **Baramati (Only remote Client setup)**

Following specific activities will be sequentially carried out for Teamcenter rollout at ARYAN.

## REQUIREMENT COLLECTION/SOLUTION DESIGN

* Progneur has held discussions with ARYAN by visiting their site, telephonic calls and emails. Majority of the requirement has been collected. Finalization of the requirement and corresponding Solution Design Document would be carried out with ARYAN post project kickoff. The maximum scope as per the discussed requirements has been covered in this document.

## SOLUTION DESIGN DOCUMENT PREPARATION

* Based on gathered requirement, Solution Design Preparation activity would be carried out for Teamcenter Implementation at ARYAN.
* The specific requirements and scope of Project (including Solution Design) needs to be approved in writing by ARYAN.
* The actual development work would start only after the requirements are approved by ARYAN.

## TEST SERVER SETUP

Progneur will setup Test Server at their end on Virtual Machines. This developed Test Server would be deployed at Customer’s site for UAT.

Following activities will be performed on the Test Server.

* Database Installation
* TcRS Installation – Application & Web
* BMIDE Setup
* Teamcenter Integration for Solid Edge Server Component Setup

All the above setup and below provided TcRS configuration would be performed offshore at Progneur’s Offices. A demo would be arranged for ARYAN and after the acceptance from ARYAN, test server would be deployed at ARYAN’s office.

## TEAMCENTER CONFIGURATION ON OOTB TcRS

Following Teamcenter Configuration would be carried out on OOTB TcRS:

All the deployments would be done remotely.

No customization is part of this project.

### DATA MODEL

* + **Item** – Up to a maximum of **3** Custom Item(s) to be provided.
  + **Forms** – Each Item would be provided with one form(s) with maximum of **10** attributes each. Up-to **2** forms can be customized.
  + **Relations** – A maximum of **2** custom relation(s) would be provided.
  + **Item Numbering** – Item Numbering would be configured.
    - **Part Type I** –Item Name to be based on 3 input parameters (Drop down)
    - **Part Type II** – Item Name to be open text Box for Standard Items
    - **Part Type III** – Item Name to be open text Box for Main Product Assembly
  + **Revision Numbering –** OOTB configurable Revision Numbering would be configured.

### ORGANIZATION STRUCTURE

Following licenses would be configured in Teamcenter Organization Structure

* **14** Author
* **8** Consumer

### WORKFLOWS

Following specification Design and Change Workflows would be provided

* A maximum of **3** workflow(s) with a maximum of **3** step(s) would be provided.
* A maximum of **2** “One Step Release” workflow(s) would be provided.
* A maximum of **5** OOTB Rule handlers would be provided altogether
* A maximum of **5** Action handlers would be provided altogether
* A maximum of **5** Custom Rule handlers would be provided altogether

### QUERIES

* A maximum of **3** query/queries would be provided with **5** filters each.

### REPORTS

* A maximum of **2** Teamcenter report(s) would be provided with maximum of **5** attribute(s) each.

## CAD INTEGRATION

### SOLID EDGE INTEGRATION

Following activities would be performed as part of Solid Edge integration implementation

* A total of **3** template(s) for Solid Edge integration would be imported.
* A maximum of **3** attribute(s) mapping for Solid Edge integration would be provided.

### CLIENT SETUP

* As per number of licenses, a maximum of **2** clients would be set up.
* For rest of the client setup, training would be provided to Admin/IT.

## TESTING

### PROGNEUR TESTING

* Progneur would first test the application and then hand over to ARYAN for UAT.
* Following documents would be created as a part of this project:
  + Traceability Matrix
  + Test Cases/Test Scripts
  + Testing Reports
* All these testing documents would be shared with the customer.

### DEMO

* Progneur would provide demo of the complete cycle of developed solution to ARYAN
* Solution would be validated as per the check list derived from design document.
* If all the points are covered, Solution will be deemed accepted and UAT cycle would start

### UAT TESTING

* ARYAN will have pre-decided **3** day(s) to test the developed solution.
* ARYAN will have pre-decided **2** day(s) for final validation.
* MS Excel would be used to log/track defect(s).

### BUG FIXING

* All the major, medium and minor defect(s) reported by testing team would be fixed by Progneur developer(s).
* No enhancement would be considered as a part of bug fixing process.
* MS Excel would be used to log/track defects.

## DOCUMENTATION

* Following Documents would be provided as part of the Project:
  + Solution Design Document
  + Testing Documents
  + User Training Document
  + Admin Training Document

## TRAINING

* Training and mentoring pre-production rollout would be carried out for a maximum of **2** day(s) for users and Users.
* Training and mentoring pre-production rollout would be carried out for a maximum of **1** day(s) for users and Admin/IT.
* Progneur would provide necessary guidance and recommendations in terms of Teamcenter backup strategy.
* All the trainings would be carried out at ARYAN’s location

## PRODUCTION SETUP

* Progneur will setup Production Server during the Implementation whenever it is reasonable to do so.
* After satisfactory UAT issue closure and Customer Go ahead, Go-live would be announced.

## SUPPORT

* Post Production Go Live, Progneur would provide support for **1** month for resolving day to day issues
* **1** month **(15** days onsite and **15** days offshore) support would be provided.

# CHANGE REQUEST

* ARYAN Signed-off Requirement/Solution document would contain the final scope for implementation. Progneur will carry out all development as per it.
* Any deviation received will be sent to ARYAN SPOC for approval.
* If an approval is received from the ARYAN SPOC against the deviation, Progneur will estimate the effort/cost required to implement the change and provide the same to ARYAN SPOC. After ARYAN acceptance same would be implemented.

# OUT OF SCOPE ACTIVITIES

* Installation of Hardware/Software except Teamcenter **11.6**/database/web server
* Installation of Operating System.
* CAD software Installation.
* CAD Integrations other than Solid Edge
* Data Migration activities if any.
* Upgrade of Teamcenter if any.
* Variant Configuration under structure Manager.
* Any Customizations like ITK, RAC, and SOA.
* Active Workspace.
* Integration of Teamcenter with existing ERP system.
* Activities which are not listed in the “In Scope Activities”.

# ARYAN RESPONSIBILITIES

* A SPOC or Project Manager should be appointed for smooth implementation of Project.
* SPOC should align with stakeholder across sites and departments at ARYAN.
* If any activity is planned to be performed remotely, ARYAN to provide stable remote connection during Progneur working hours.
* Ensure user(s) availability and provide requirement(s) on time.
* Signing of the required documents (Requirements, Solution Design, and Sign off Documents).
* Procuring and providing the required hardware on time.
* Installation of Operating Systems, CAD Software.
* Access to IT person for operational issues.
* Third Party software support (CAD software, MS, etc.).
* All clarifications during project progress should be provided within same day.
* User Acceptance Testing to be completed on time within **3** day(s) time frame.
* Final Validation to be completed on time within **2** day(s) time frame.

# ASSUMPTIONS

* Before initiating the development activity following would be validated
  + Hardware
  + Software Dump
  + Licenses for Teamcenter and Third-Party software

Only after these are available, development activity would be initiated.

* This is an OOTB functionality project. Any customization required would needs to go through Change Request.
* A buffer of maximum **5** working days would be provided to cater to the non-Progneur, attributable delays such as infrastructure issues, Siemens product issues, customer personal/infrastructure/software unavailability, longer time for providing requirements, UAT, etc. This would be considered after formal Project initiation. Account of number of days spent in all such delays will be maintained and beyond **5** working days would be charged as described in the costing section.
* If Progneur Virtual Machines are not acceptable to be deployed in ARYAN premises, ARYAN to provide their own Virtual Machines for Test Server setup at Progneur’s office. All development activity would be carried out on the same and brought back to ARYAN to act as their future test server.
* Test Server/Virtual Machines provided to Progneur should be up to date and in working condition. Details of the same would be provided by Progneur. Any issues to be fixed on Test Server will be charged separately.
* Due to the short duration and tight schedule answers to the questions/queries raised by Progneur team should be provided within **1** business day(s). This is to ensure that project schedule is not affected. Any delay beyond **1** day(s) would need to go through Change Request.
* Any issue identified with OS, Network, etc. would be immediately notified. Any delays in resolution beyond **1** day(s) would go towards buffer time.
* Progneur would plan User Acceptance testing timeline with ARYAN SPOC. After agreeing to dates and any delay will go towards buffer time.
* Progneur if required/planned would carry out tasks offshore from their offices remotely. ARYAN to provide stable remote access. If remote access has problem then lost time would go towards buffer time. Remote connection should be available from 08.00 to 20.00.
* Progneur would have the full and final authority to decide the resources of implementation team.
* Data Migration is not part of this SOW/Project. If it is additionally required, a separate proposal would be submitted by Progneur based on the scope.
* If Siemens changes the product(s) during the implementation, then Progneur would not be accountable to make the necessary changes in the system.
* If any Product Issue/Bug is identified, Progneur would highlight that and help in coordinating with Siemens PD. If it can be fixed by Patch released by Siemens Product Development, Progneur would help in the Patch application and testing. Any additional effort beyond **2** day(s) buffer would go through a Change Request.
* Any product issue requiring more than **1** week(s) of resolution from Siemens PD is best handled by pulling out the personal deployed onsite. Progneur would try its best to make the same person available when required but can’t guarantee it. In the remote case of personal change he would be given KT by Progneur. Any delay above **1** week would require payments to be released for the work completed until that point. This would be calculated at the man month rate provided in Professional fee section.
* A maximum of **2** day(s) of GTAC liasioning support is planned as part of this project. Buffer time can be utilized beyond that. Any further GTAC liasioning required will need to go through a change request.
* If any product issue is identified and rest everything is completed, and if it takes longer than **1** month(s) to resolve it from Siemens PD, then Progneur’s payment should be released. Once the solution is released from PD, Progneur will spend up-to maximum of **2** day(s) effort in applying the solution.
* If any Product Issue requires Teamcenter version upgrade and it can’t be fixed in this scope, a separate proposal would be submitted for upgrade scope.
* Progneur based on the project requirement and resource availability will decide which technical consultant to be sent onsite for various activities. Request to change the resource will need to go through a change request.
* Solution Architect will be available onsite for Requirements Collection, UAT and Training. For any other additional demo/activity, making Solution Architect available onsite will need to go through Change request and travel expenses will be charged on actual. Solution Architect from offshore will be involved in Solution Design and technically driving the project. Solution Architect will help with complete project Technical implementation and mentoring technical resources.
* Junior Implementation resource will travel onsite for onsite Test Server setup after test server development validation offshore, Production Rollout and **one** month support.
* This document contains the final agreed In-scope activities. Any activity non-discussed, discussed verbally or on emails is not part of the scope unless explicitly mentioned/considered here. Any attribute addition, check such as handler applicability etc. is an additional effort and would need to go through change request. In case of any scope disagreement only this document can be referred to.
* Progneur would respect the confidentiality of all information given to it by the client and would not divulge such information to any third party without client’s consent.
* The client shall not offer employment to any of Progneur personnel involved in this Project, during the pendency of the contract or for a period of two years thereafter.
* Activities which are not listed in the “In Scope Activities” would be considered as “OUT of SCOPE” activities