

Business Intelligence Experts for SmartPlant integration

Technical Specifications

	<i>Version 3.0</i>	<i>Date: 15-July-2013</i>
	<i>Name</i>	<i>Affiliation</i>
<i>Author</i>	Robert Jobe	IT Section

Contents

1	Abstract	3
2	Background and objectives	3
3	Scope of Work.....	3
4	Estimated duration.....	3
5	Specific requirements and conditions.....	3
6	Required skills	3
7	Qualifications.....	3
8	Optional skills	3
9	List of deliverables and Acceptance Criteria.....	4
10	Work Monitoring / Meeting Schedule	4
11	Payment schedule / Cost and delivery time breakdown.....	4
12	Quality Assurance (QA) requirement	4
13	Selection Criteria	4
14	Timetable	5
15	Candidature	5
16	References / Terminology and Acronyms	5

1 Abstract

These technical specifications address the set-up of the contract via Call for Expertise to acquire services of two Business Intelligence Experts needed for the integration of the SmartPlant tool with other ITER databases and systems.

2 Background and objectives

ITER Organization has introduced a new tool SmartPlant to support plant assembly and operations. SmartPlant should integrate with other ITER databases and systems like ITER Data Warehouse, SAP, Primavera, Cobra, Enovia, Catia, See Visio, SharePoint and ICP. The integration and other needs are covered using Microsoft SQL Server Data Tools (Integration Services, Data Quality Services, Reporting Services, Master Data Services...).

3 Scope of Work

We are seeking a service to develop and improve support of the business intelligence which consists of business reporting, data integration, data cleaning, data warehousing and master data management.

4 Estimated duration

This contract shall be for a one year duration with working 185 days for each expert (370 days in total). An optional year is possible with approximately 100 days for each expert.

5 Specific requirements and conditions

- The service must be rendered on-site. The contract shall be executed by two persons. The persons can come from different organizations / entities. If this is the case two separate contracts will reference this technical specification.
- The individuals working on this contract shall be available full time and be based at IO site.

6 Required skills

- Sound knowledge of t-SQL language,
- Knowledge of any other programming language,
- Experience in using Microsoft SQL Data Tools: SSIS and SSRS,
- Writing technical and functional specifications,
- Good communication skills with strong orientation towards client needs,
- Demonstrated ability to use English proficiently.

7 Qualifications

- Relevant university degree or equivalent.

8 Optional skills

- Background in engineering and/or construction,

- Experience in using enterprise application systems like SmartPlant, SAP, Primavera, Cobra, See Visio, Enovia, Catia and SharePoint,
- Database design and modelling,
- Experience in using any of the other Microsoft SQL Server Data Tools, and
- Knowledge of data warehousing and/or data mining.
- Administration of SQL Server.
- Optimization of SQL queries.

9 List of deliverables and Acceptance Criteria

Monthly reporting as required according to ITER IT contractor's rules.

10 Work Monitoring / Meeting Schedule

The progress will be monitored in a weekly progress meeting by the ITER RO.

A monthly progress report (including time sheet) will be provided to IO each month.

11 Payment schedule / Cost and delivery time breakdown

The payment shall be granted on a monthly basis following invoicing for agreed daily rate and actual work performed. No payment shall be made before the report corresponding to the invoiced work is delivered to IO. In case of IO authorized travel, the IO shall reimburse all travel costs including transportation, accommodation, and meals within the IO guidelines that apply for travel missions.

12 Quality Assurance (QA) requirement

Documentation developed as the result of this task shall be retained by the performer of the task or the DA organization for a minimum of 5 years and then may be discarded at the direction of the IO. The use of computer software to perform a safety based task or activity such as analysis and/or modelling, etc. shall be reviewed and approved by the IO prior to its use, it should fulfil IO document on Quality Assurance for ITER Safety Codes [Quality Assurance for ITER Safety Codes \(258LKL\)](#).

13 Selection Criteria

1. Experience Qualifications and skills as per Sections 6 and 7 above,
2. Price (daily rate),
3. Proposed time schedule and availability,

Rate : 60% technical 40% financial

The selection will be based on the CV(s) of the proposed person(s) delivering this service.

Before the final decision is made, candidates may be asked to make a presentation.

14 Timetable

Tentative timetable:

Call for Expertise	July 2012
Contract Award	September 2013
Contract Start	October 2013

15 Candidature

Participation is open to all individuals, companies or organizations which are legally registered in one or more of the ITER Member States.

16 References / Terminology and Acronyms

IO ITER Organization

ICP ITER Collaborative Platform, a web application framework developed at IO based on ASP.NET and MS SQL.

BIDS Business Intelligence Team and ITER Organization

SSDT SQL Server Data Tools