



Job description

Role Description

Job Title:	Project leader – industrial data mining	Starting date requested	ASAP
Incumbent:	New hire	Business Unit/Division:	R&T
Reports to: (name and title)	Bruno HANNART	Function:	Operational excellence Manager
No. of Direct Reports:	0	Location:	Voreppe
No. of Indirect Reports:	0	Grade: as evaluated	29-33

Context:

Constellium is a global sector leader, committed to designing and manufacturing innovative and high value aluminum solutions for a broad range of applications, dedicated primarily to aerospace, automotive and packaging markets.

Constellium C-TEC in Voreppe, France is at the heart of the R&D and technology programs deployed to bring new products and improve operational excellence. We seek to reinforce our support to the industrial sites, in the field of data mining, data analysis and process monitoring

Primary Purpose

The main purpose is to collect and store industrial data available in Constellium, make these data accessible to all relevant users (process, quality, R&D, maintenance and energy, management), and contribute to the analysis of these data.

The final goal is the monitoring and optimization of our industrial processes.

Presently a lot of existing data from sensors and tests are available in our sites. But these data are not always stored or accessible. Maturity is variable among sites and within sites. This makes it difficult to monitor relevant Key Process Indicators or Key Process Parameters, and to drive operational performance.

In parallel, Constellium has launched R&D initiatives to introduce digital technologies ("Industry 4.0"). This will create new data, and we need to integrate these future developments in the existing organization.

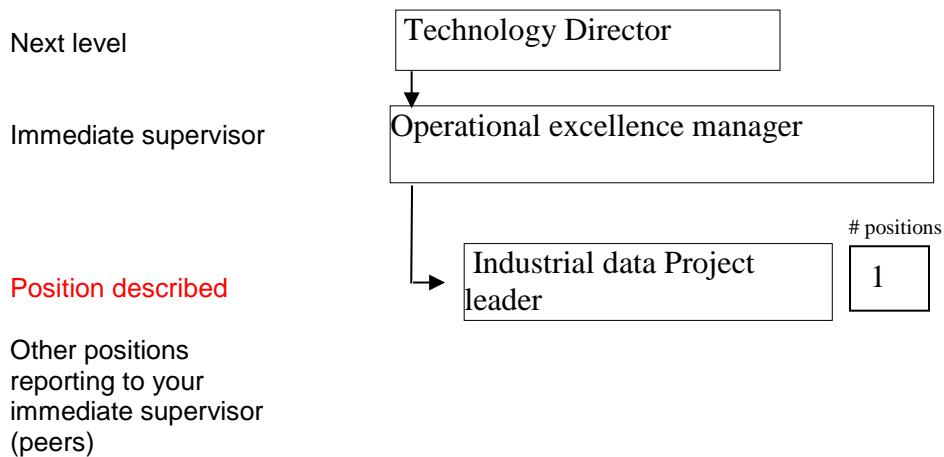
The jobholder will

- Assist plants and R&T teams in collecting existing data, extract and store the relevant information in the optimum format, make statistical analysis
- Take part to the training of personnel in the plants, for retrieving and analyzing data
- Maintain cross-fertilization within Constellium on data mining systems and on achievements
- In team with process experts, analyze KPIs and KPPs and contribute to the elaboration of improvement action plans
- Help the integration of data generated by the implementation of new technologies

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Leadership competencies, technical skills requirement
<p>Technical competencies: An engineering degree in a relevant discipline (e.g. automation, computer science, industrial engineering...) is necessary.</p>
<p>Experience: First experience in</p> <ul style="list-style-type: none"> • Automation and data-mining (e.g., IBA is a widely used tool in Constellium) • Computer science, esp. storage size optimization, understanding of network architecture • Database environment (e.g., SQL) • Data manipulation/cleaning and statistical analysis • Understanding of physical measurements (eg identifying sensor issues) • Basic understanding of industrial processes / metallurgy is a plus
<p>Specific competencies: The ideal candidate will have :</p> <ul style="list-style-type: none"> - Demonstrated leadership and self-direction. - Proven ability to network and communicate at all levels of the organization - Ability to share knowledge of automation and computer science with non-experts - Open-mindedness and ability to propose new solutions - Experience with process industries
<p>Languages: Proficient in English and French. German would be a plus. Missions require frequent trips to the industrial sites in France, Europe and the USA</p>

The job within the organization



Supervisor	Director Comp & Ben (job grading)
Date and signature:	Date and signature: