HL-LHC Resources request

Date: 2017-01-31	*Title Position/Task:* Production engineer
Project/Activity: WP8	

Description Project:

To extend its discovery potential, the LHC will need a major upgrade to increase its luminosity (rate of collisions) by a factor of 10 beyond its design value. Part of the upgrade are the manufacturing and/or in-situ modifications of heavy steel shielding structures. The HL-LHC WP8 is the work package that will be in charge of the design, production, and installation of the equipment required to perform these tasks.

Task:

You will join the WP8 engineering team in the EN-EA group to:
- Participate in the final design modifications performed in shielding structures of LHC experiments, focusing on the needs in terms of access and compatibility with general and technical services.
- Follow-up and take responsibility in the worksite preparation and installation schedule. Ensure the safety of related activities, identifying possible issues at very early stage and proposing pro-active solutions considering possibly conflicting requirements from different system owners.
- Identify possible cost and time saving or intervention improvement solutions and prepare installation lay-outs that take into account the installation sequence optimized for schedule and costs
- Follow up the manufacturing of the main elements, interfacing between the experiments groups and the different LHC machine groups when necessary.

Profile: Industrial engineer (Mechanical/Quality). In-situ works/production oriented.

Experience:
Experience with machining/welding and follow up of manufacturing of heavy metal with thigh tolerances and/or installation in worksites (nuclear or power plant, chemical, industrial assembly chain) or civil engineering construction are assets.

Specific details: Spoken and good proficiency in written English is required: French is an asset and the willingness to learn French is required. Good working knowledge of CATIA and MS Project would be an asset.

Requester: EN-EA

Starting from: September 2017