

## Call for contribution of expertise

CERN invites collaborating institutes and universities to contribute the expertise of their qualified employees to the activity described below.

*Start date:* 01/09/2018

*Duration:* One year, possible extension to a maximum of up to three years.

*Project/Activity:* Safety and Quality tasks for the TE-VSC activities within the HL-LHC project

### *Detailed description of Activity:*

Within the HL-LHC project, the TE-VSC group (vacuum surface and coatings) is in charge of the HL-LHC vacuum systems and of several vacuum-related contributions to other work packages. This includes several activities, namely the production of beam screens, the aC coating of beam screens and the layout modifications in the Long Straight Sections and experimental areas. The main tasks will be the following:

- Understand and analyse the different vacuum activities and evaluate the risks;
- Production of technical documents describing the TE-VSC group contribution to the other workpackages, including both technical activities and resources;
- Track milestones and deliverables via dedicated schedule;
- Preparation of the safety files from the design to the operation in collaboration with the concerned sections;
- Development of web pages;
- Monitoring the correct application of the QA procedures as well as the preparation of the related technical documentation (inspection reports, drawings...);
- Documentation lifecycle follow-up.

For all these activities, the work will focus on safety and quality assurance tasks.

*Profile:* Bachelor degree in engineering or equivalent technical experience. Experience in project management tools. Specific knowledge on quality and/or safety would be an asset.

*Specific details:* Diplomacy and excellent team-working attitude. Valid driving license. Good working knowledge of either English or French. Documentation will be prepared in English.

*Status at CERN:* Associated Member of the Personnel (Project Associate or COAS).

Conditions in accordance with CERN's Staff Rules and Regulations and Administrative Circular No. 11. Subsistence allowance is payable by CERN to cover the additional cost arising from the individual's (and, as applicable, their family's) stay in the local area while performing activities at CERN.

*Option:* Collaborating institutes and universities can propose to support the activity of the qualified employees participating in this "Call for contribution of expertise" with students or other employees. Their status and Subsistence allowance when applicable will be adapted to their relation with their institutions

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*Reference:* 2018\_Q2\_002