

## 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:* asap

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

*Project/Activity:* Development & maintenance of SCADA (Supervisory Control And Data Acquisition) based control systems

### *Detailed description of Activity:*

As a member of the Industrial Control and Safety Systems group, you will:

- Develop tools to improve the SCADA system.
- Manage and maintain the facilities hosting such tools.
- Monitor and improve the mechanisms to improve the Oracle database used by the SCADA.
- Assist on the general schedule to upgrade all the existing CERN WinCC OA projects
- Test and validate activities to make smooth upgrades to the software versions that will be used on LHC RUN3 (e.g. WinCC OA, UNICOS)
- Perform the actual upgrades to WinCC OA 3.16 / latest UNICOS
- Support CERN users about SCADA/WinCC OA domains

*Profile:* Bachelor/Master in Computing Engineering.

Strong communication skills and a genuine interest in working with people. Will be an asset to have experience/knowledge on the following areas:

- Configuration, programming and using Supervisory Control And Data Acquisition (SCADA) systems.
- Testing procedures (Factory and Site Acceptance Tests).

### *Specific details:*

Good working knowledge of either English or French is required.

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

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

*Contact person:* **Víctor M. González**

*Reference:* 2019\_Q3\_027\_Scada