

## 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:* Civil Engineer for structural calculations and infrastructure design

### *Detailed description of Activity:*

You will join the civil engineering design office team and work with the different sections of the group (Project managers, site managers, work supervisors, studies for future projects, etc.) to:

- Support to the engineers to prepare different type of studies as feasibility studies, preliminary studies, tender designs or execution studies, for any type of work (Refurbishment of existing infrastructures, modifications, new elements, etc.) and any type of structure (concrete, steel, retaining walls, etc.), including the structural calculations and the definition of any civil infrastructure.
- Prepare structural verifications requested for different activities (use modification of the building, verification of the capacity of an existing structure, new infrastructures, etc.);
- Support for different works or activities (transport and handling with heavy cranes, installation of scaffoldings, storage in existing platforms, etc.);
- Support to the project managers for the supervision of external contractors.

*Profile:* Bachelor degree in civil engineering or equivalent with technical experience in structural calculations. General knowledge of the different building trades for its integration and coordination in a project (Architecture, electricity, plumbing, ventilation, etc.). Good knowledge of the software Robot Structural for calculation. Knowledge of Autocad and Revit would be an asset.

*Specific details:* Work in controlled radiation areas and underground premises. Diplomacy and excellent team-working attitude. Valid driving license. Good working knowledge of English. French welcome.

*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

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*Reference:* 2018\_Q4\_024