

EDMS NO.  
**1744197**REV.  
**1.0**VALIDITY  
**VALID****REFERENCE : NOT REQUIRED**

## HL-LHC Resources request

**Date:** 12 April 2022**Project/Activity:** WP1**Title Position/Task:** Project control analyst for HL-LHC**Start Date:** July-October**Description of the Project:**

The HL-LHC Project (also called HiLumi project) at CERN consists in a major upgrade of the LHC accelerator, aiming at increasing the integrated luminosity over the first 12 years of operation by a factor 10 with respect to the present machine. Making use of cutting-edge technologies for the accelerator's main elements – innovative superconducting magnets and RF crab cavities, new collimation, high-temperature superconducting power lines - the project foresees also significant expansion of underground infrastructure, with new galleries, upgraded cryogenic refrigeration and HVAC, new cables and power distribution.

The project is structured in 19 work-packages of budget ranging from some millions to some hundreds of million CHF. Approved in 2016, the final installation will take place from 2026 to 2028, for a first beam in 2029. Numerous collaborations with European and international institutes cover a considerable part of the scope.

Work-packages budget is centrally managed in the Project office. Budget planning is via Earned Value Management, also used for cost change management, cost monitoring and control. All budget and schedule changes are presented at the work-package Project Steering Meetings (PSM) for approval by the management.

**Task:**

The successful candidate will join the Budget & Scheduling Office, a unit of seven persons within the Planning section of the Project office of HiLumi. The fellow will be the main operative link-person to several of the work-packages of HiLumi. With a general overview of the schedule baseline and changes of the linked work-package, the main tasks will comprise structuring of planned activities in EVM, cost change management operations and processes, reprofiling of expenses and estimate and projection of real cost against planned cost. Financial and schedule analysis reports, accompanied by EVM metrics interpretation, are prepared for each PSM, as well as for the annual Cost & Schedule international review of the project.

The position presents opportunities for learning and implementing Project management tools and processes in the exciting framework of one of the largest accelerator technologies projects on the scene, in a truly international environment.

Profile: Master's degree in Engineering or Management Engineering.

**Experience:**

Specific previous experience in budget management and knowledge of project management tools will be an asset.

**Specific details:** The candidate will show a passion for complexity; rigor and precision; excellent self-management and sense of responsibility; and a strong capacity for interpersonal and written communication in English.

**Requester:** Giovanna VANDONI**Approved by:** O.Bruning**Budget code:** 99033**Visa Budget Officer:****Date:** 12 April 2022**Distribution List:****Proposal:**