



Operations Engineer - Cooling and ventilation Ref EN-CV-OP-2015-41-LD

Europe

Are you an experienced operations engineer, specialised in ventilation and cooling industrial plants? Contribute your skills and experience to the operation and maintenance of complex large-scale installations in a unique environment hosting some of the world's most complex technical plants. Join CERN's Cooling and Ventilation team. Take part

Job Reference: EN-CV-OP-2015-41-LD

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Closing date:

07/07/2015

Operations Engineer (cooling and ventilation) in the EN Department (EN), Cooling and ventilation group (CV),

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Votre mission :

Functions

As an Operations Engineer in the Operations Section, you will be in charge of the operation, the maintenance and the modification of the existing cooling and ventilation installations in the accelerator complex.

You will:

1. Participate to the operation of the installations under the responsibility of the CV Group with a presence in the field. This includes:

- Monitoring of the plants.
- Performance analysis and optimization.
- Fault-finding, trouble shooting, technical validation of repairs and corrective maintenance.
- Enforcement of safety in the field.

2. Participate to the preventive maintenance of the installations. This includes:

- Ensuring the execution of maintenance of the installations following a plan, the priorities.
- Ensuring the maintenance plan is compatible with the operation schedule of the accelerators.
- Participating to the review of the maintenance plan (procedures, frequencies, spares inventory, etc.)
- Technically validating the maintenance interventions carried-out by the contractors
- Ensuring technical coordination of the work carried-out by the contractors in charge of the maintenance and installation work, in compliance with contractual clauses and technical standards.

3. Participate to the technical management and to the administration of the installations:

- Supervise and coordinate the CERN unit in charge of the operation and maintenance of an accelerator complex within the allocated budget.
- Analyse data and information pertaining to maintenance campaigns via CMM software and with inspections on site.
- Ensure that the technical documentation is kept up-to-date and compliant with the

Référence

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Date de publication

01/06/15

Entreprise

Cern

Région

Europe

Ville

Secteur

Transport Et Manutention

Type de contrat

- Temps plein
- CDD

quality standards, and propagate information to the relevant technical services.
•Report to management periodically on activities, schedules, costs or problems.

4. Participate to the definition of consolidation and upgrade projects:

- Propose and define the best possible responses to user requests
- Propose appropriate technical solutions for modifications and renovation work.

Votre Profil :

Qualification required

Master's degree in the field of mechanical engineering, preferably with a specialisation in industrial hydraulics installations, or equivalent.

Experience and competencies

The experience required for this post is:

- A sound knowledge and understanding of cooling and ventilation principles is essential, as is expertise in machines and equipment used in cooling and ventilation plants.
- Extensive experience in the maintenance, operation and installation work of cooling and ventilation plants.
- Experience in management and supervision of a team.
- Proven experience in relations and technical coordination of external companies and contractors.
- Experience in the use of CMMS tools (Infor EAM) and office software work packages (Microsoft Office).

The technical competencies required for this post are:

- Maintenance and operation of water cooling plants, industrial ventilations, distribution network, compressed air production and distribution plants.
- Organisation, planning and control: coordination of activities involving different technical fields (electricity, mechanical work, heavy handling etc.).
- Knowledge of LV network and switchboards.
- Knowledge of control system and process automation.
- Contract management.

The behavioural competencies required for the post are:

- Managing self: working well autonomously; taking on activities and tasks without prompting.
- Demonstrating flexibility: readily accepting new tasks or work; adapting quickly and resourcefully to shifting priorities and requirements.
- Working in teams: building and maintaining constructive and effective work relationships.
- Optimising resources: effectively managing budget, optimizing human and financial resources.
- Achieving results: driving works and projects to a successful outcome on time and on budget.

The language competencies required are:

- Spoken and written English: ability to understand and speak French in the professional context.
- Ability to write technical specifications, reports, documentation and to make presentations in English.

You will join:

- The Engineering Department (EN) that provides engineering competencies, infrastructure systems, and technical coordination for the world's largest particle accelerator complex and its experimental facilities.
- The Cooling & Ventilation Group (CV), responsible for designing, constructing, maintaining, and operating cooling, ventilation and large scale fluid distribution systems (cooling plants, air-conditioning systems, water pumping stations, compressed air, chilled

water production units and networks), for the whole Laboratory, particularly in the accelerators and the experiments in the underground areas.

- The Operation Cooling Section (OP) within the CV Group, in charge of the operation and maintenance of cooling & ventilation installations.

You will benefit from:

- The opportunity to broaden your knowledge and experience in new areas and discover a domain where excellence is the key driving factor.
- Specific training and support for professional development to foster your skills and develop your talents.

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Conditions d'emploi :

Eligibility conditions

Employing a diverse and international workforce is a CERN core value and central to our success. We welcome applications from all Member States irrespective of gender, age, disability, sexual orientation, race, religion or personal situation.

This vacancy will be filled as soon as possible, and applications should normally reach us no later than 07.07.2015.

By applying here, you allow CERN to consider your application for any position it considers relevant with respect to your profile. Please ensure you update your profile regularly with any relevant information and that you inform the recruitment service if you wish your file to be removed from the database.

Note on Employment Conditions

We offer a limited-duration contract for a period of five years. Limited-duration contracts shall terminate by default on their date of expiry. Subject to certain conditions, holders of limited-duration contracts may apply for an indefinite position.

These functions may require:

- Shift work when required by the needs of the Organization.

These functions will require:

- Stand-by duty, including nights, Sundays and public holidays.
- Work during nights, Sundays and official holidays.
- Interventions in underground installations.
- Work in radiation areas.
- A valid driving licence is required.

CDD (5 ans)

[Read more about employment conditions](#)