



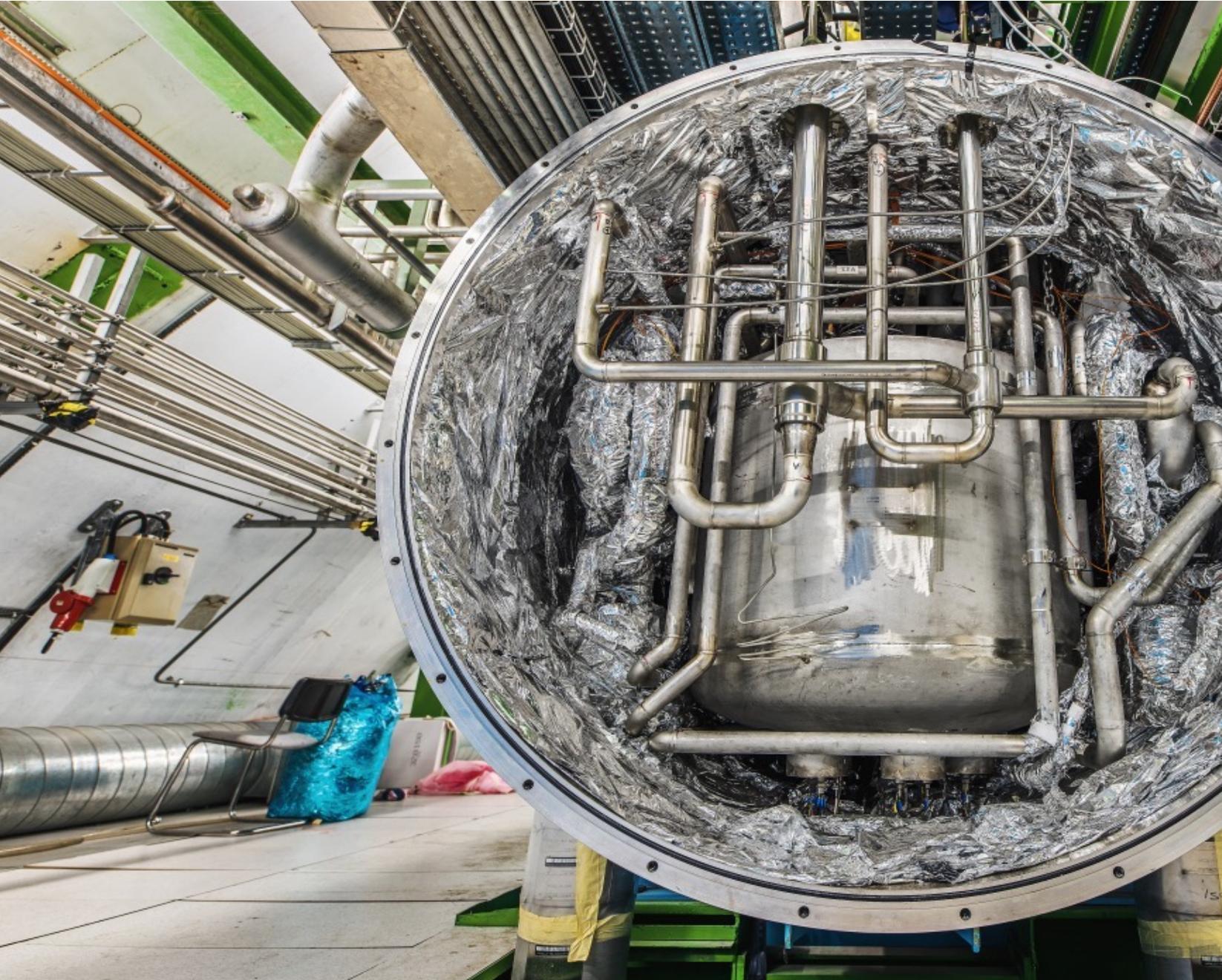
CERN update

Jan Visser 9 February 2026

Based on presentation of Nordine Azizi

IPT-PI

Cooling & Ventilation, Cryogenics



SRF/SA18 Cleanrooms construction

Description & Specific Condition :

Design, supply, construction, test and commissioning of all the cleanrooms and their associated HVAC systems in the new building SA18 at Point 1.8 of the LHC.

Key conditions:

- Experience in the construction of laminar flow ISO Class 4 cleanrooms and mixed flow ISO 8 cleanrooms of similar size and complexity.
- Experience in the execution of similar projects in accordance with the applicable regulations.

Start of the Contract: Q3 2026

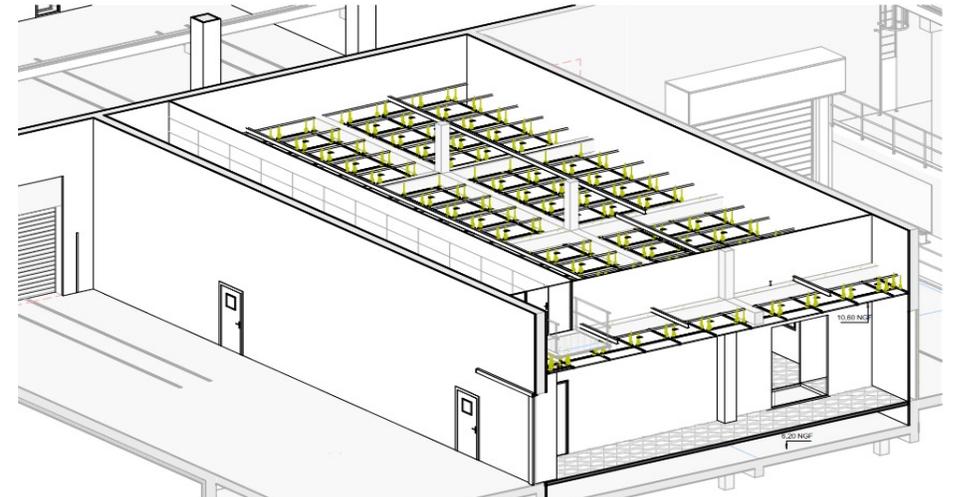
Procurement Code: 01 03 00 00

Cost Range : 5 MCHF ↔ 10 MCHF

Planning: MS: Q4 2025

IT: Q1 2026

Contact: theodoros.aivaliotis@cern.ch



CO₂ Cooling Flexible Lines (DO-34782/EP/ATLAS)

Procurement Code: 01 03 03 01 (Cooling equipment, related pipework and accessories)
05 01 02 00 (Metallic pipes, tubes, rods, bars and profiles)

Cost Range : 200k – 400k CHF

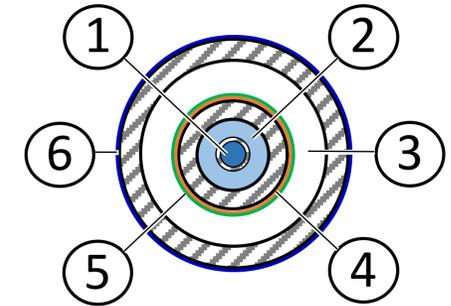
Planning: DO : Q4 2025
Contract start: Q4 2025

Scope:

- CO₂ Cooling Flexible Lines, commonly designated as Flexline
- To transfer the liquid and two-phase CO₂ in counterflow configuration between its end connections
- Length between 5 and 13m

Eligible Firm Profile

Interested firms shall have competence and experience in design, assembly, welding and testing for high pressure applications. They shall have as well the necessary equipment to perform the Contract, as well as a 500m² or bigger assembly hall.



Legend:

1. Liquid CO₂;
2. Two-phase CO₂
3. Vacuum jacket;
4. Multilayer insulation;
5. Fiberglass sleeve;
6. Steel braid.

Contact: joao.noite@cern.ch

SRF/SA18 Cooling and ventilation systems (MS-5136)

Description & Specific Condition :

Design, supply, installation, test and commissioning of all the HVAC systems and the air treatment system in the new building SA18 at Point 1.8 of the LHC.

Key conditions:

- Experience in the installation of HVAC systems of similar size and complexity.
- Experience in the installation of air treatment systems with wet scrubbers.
- Experience in the execution of similar projects in accordance with applicable regulations.

Start of the Contract: Q2 2026

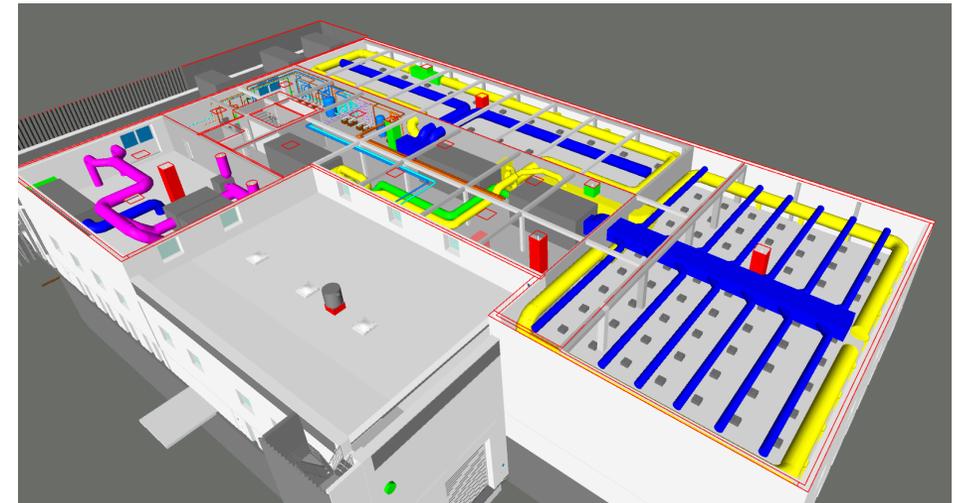
Procurement Code: 01 03 00 00

Cost Range : 5 MCHF ↔ 10 MCHF

Planning: MS: Q4 2025

IT: Q1 2026

Contact: theodoros.aivaliotis@cern.ch





Electrical Engineering, Magnets

Supply of 3.5 km of coaxial high voltage cable (MS-5068/EN)

Description & Specific Condition :

Supply of 3.5 km of coaxial high voltage cable of 72.5kV, including cable drum, packing, shipping and documentation.

The High Voltage cable will be used for the connection between a transformer and a diode bridge rectifier and between a bridge rectifier and a choke as shown in the Figure.

Firms must have a proven experience and competence in manufacturing coaxial high voltage cables with CPR certification.

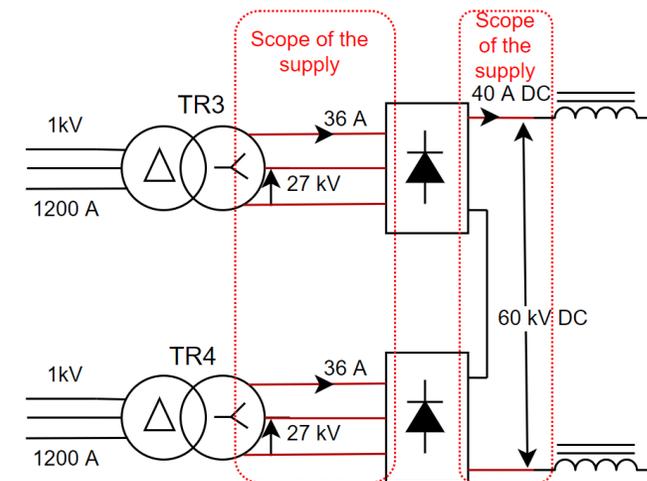
The Supply shall be delivered to CERN within six months of notification of the Contract by CERN.

Procurement Code: 02 05 01 00

Cost Range : 400k - 1.5M CHF

Planning: MS: published IT: Q4 2025

Contact: stephane.joffe@cern.ch



Supply of oil-tanks for oil-immersed high voltage filter chokes (MS-5106/EN)

Description & Specific Condition :

Supply of six high voltage oil tanks for oil-immersed filter chokes.

Main characteristics of the oil-tanks:

- Construction: welded with a bolted lid;
- Cooling method: Oil-Natural, Air-Natural (ONAN);
- Expected power losses: less than 15kW;
- Permanent operation and storage in outdoor conditions (-25 °C to + 45 °C);
- Oil type: Mineral oil;
- Approximate dimensions (L x W x H, mm): 2000 x 1400 x 1500 (without conservator and radiators);
- Minimum equipment: bare tank / radiators / conservator.

The Supply shall be delivered to CERN within five months of notification of the Contract by CERN.

Procurement Code: 02010500 - Special transformer

Cost Range : 400k - 1.5M CHF

Planning: MS: published IT: Q4 2025

Contact: stephane.joffe@cern.ch

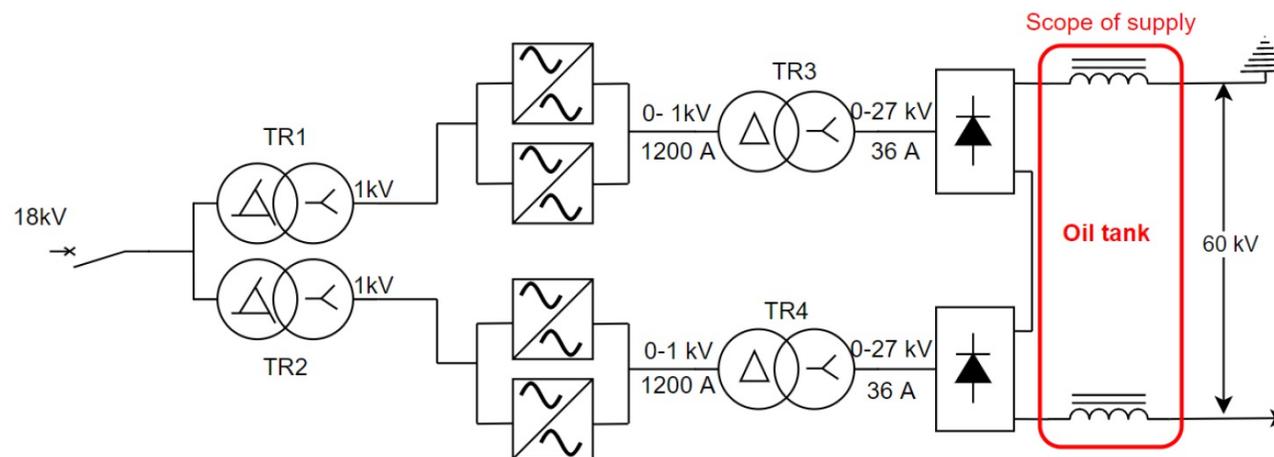
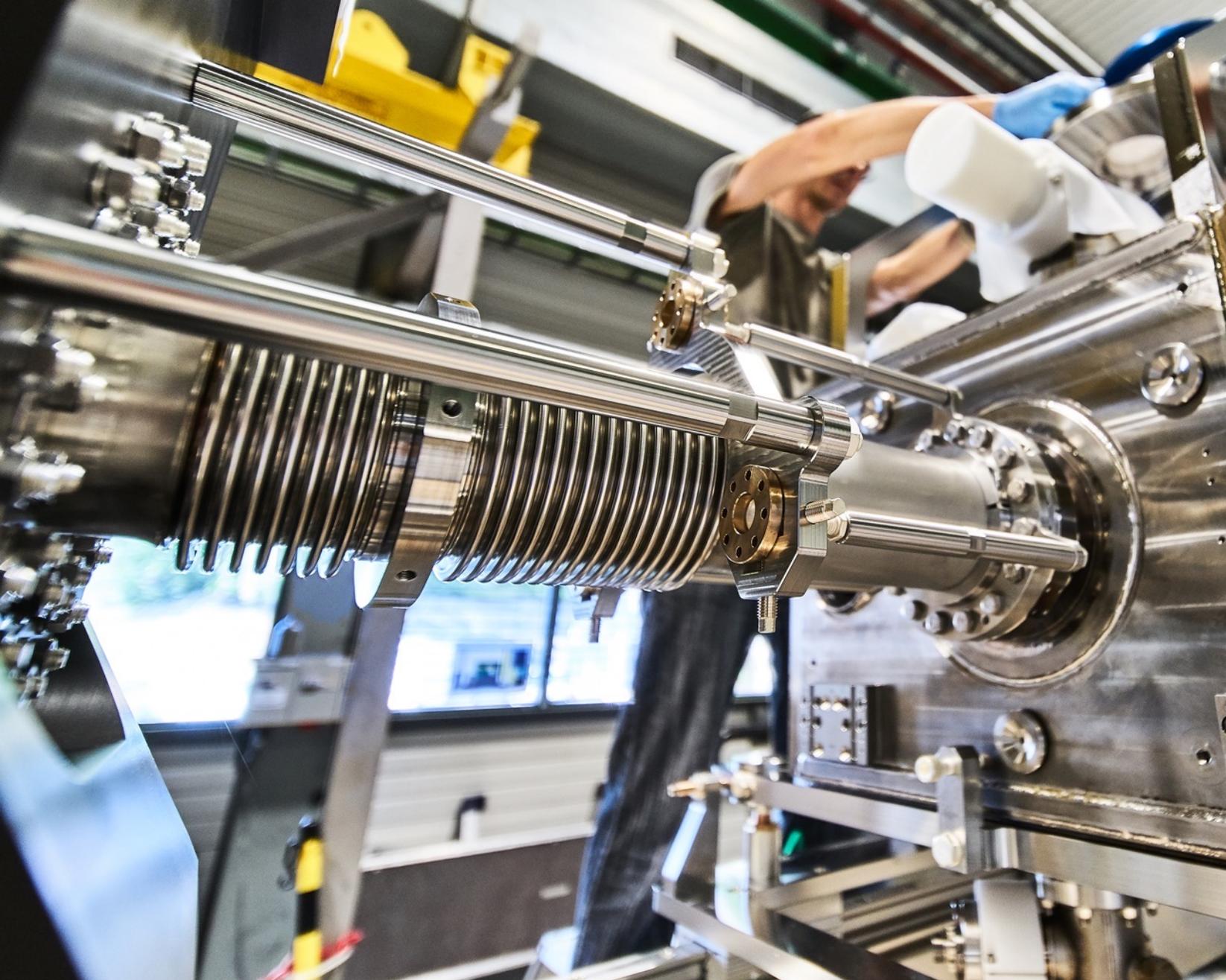


Figure 1 - LHC klystron power supply at CERN.



Mechanical Engineering, Raw Materials

Tables for XTAX (MS-5076/BE)

Procurement Code: 05 01 01 04 (Aluminium, aluminium alloys)
05 01 01 02 (Stainless steel)

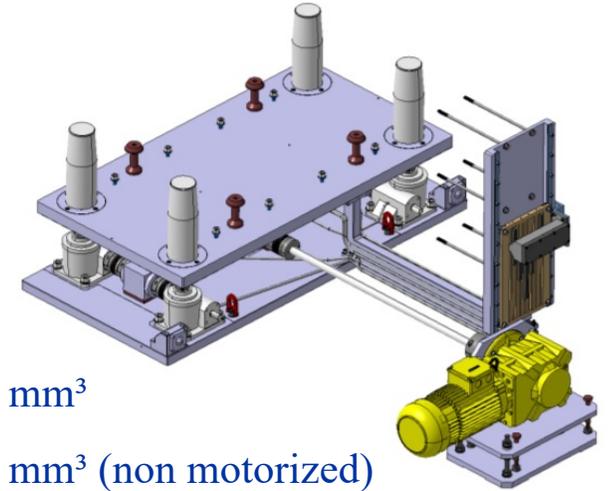
Cost Range : 400K – 1,5M CHF

Planning: MS : Q1 2026
IT: Q2 2026

Contract start: Q3 2026, delivery by May 2027

QTY: 8; DIMENSIONS: 1616 x 780 x 832 mm³

QTY: 1; DIMENSIONS: 3200 x 780 x 832 mm³ (non motorized)



Scope:

- Supply of alignment tables which are a Z displacement (300 mm) device, designed to support and lift 15T of operational load with all controls and driving systems placed outside the table footprint.
- Stroke: +/-150 mm; Operational Load 12 T; Speed: 100 mm/min
- Each table is equipped with a manual alignment system on its base providing 5 DOF with the following specifications:
- Resolution: 0.1mm; Stroke: y: +/- 5 mm; Z: +/- 3mm; Rx: +/- 7 mrad; Ry: +/- 7 mrad; Rz: +/- 7 mrad
- Main materials: AL EN AW6082, Stainless Steel A4, Stainless Steel 304
- General machining tolerances ISO2768 – mk
- All components must be radiation hard > 100kGy in 20 Yrs.

Eligible Firm Profile

Contact: miguel.lino@cern.ch

Interested firms shall have proven experience and competence in machining, precision assembly, and metrology and material testing.

Information Technology



Supply of Water-Cooled Server Racks and Cooling Doors (MS-5108/EP)

Procurement Code: 03040100 (Other components for racks)

Cost Range : 1.5M – 5M CHF

Planning: MS : published
IT: Q4 2025
Contract start: Q1 2026

Scope:

- Supply and commissioning of 54 complete water-cooled racks as well as approximately 40 additional cooling doors for existing racks to house computing servers for the ATLAS experiment.

Eligible Firm Profile:

- Interested firms shall have a proven experience and competence in designing and manufacturing computing racks and cooling doors.



Contact: Markus.Joos@cern.ch

Supply of 20 servers for CMS (DO-34769/EP)

Procurement Code: 04010300 (Servers)

Cost Range : 200-400K CHF

Planning: DO: Q4 2025

Contract start: Q1 2026

Scope:

- Supply of 10 servers for general purpose workloads and 10 servers optimised for high performance I/O including on-site warranty of 5 years. The main technical features include, rack mounted form factor, dual CPU multicore motherboards, two or more PCIe Gen 5 slots, and NVMe disk capabilities.

Eligible Firm Profile:

- Interested firms shall have a proven experience and competence in producing/distributing high-performance computing servers either as designer/manufacture or as integrator/reseller along with on-site maintenance.



Contact: Marc.Dobson@cern.ch

Health & Safety Machines



Design, supply and installation of a high-pressure rinsing machine

Description & Specific Condition :

- Supply of a high-pressure rinsing machine to perform waterjet impingement of internal surface of superconducting radio-frequency cavities
- Operating in cleanroom conditions, under vacuum and under inert atmosphere
- The Supply shall be based on a commercially available vacuum-steam sterilizer typically used by the pharmaceutical industry with modifications to fulfil the high-pressure rinsing stage.
- To be installed in the new RF facility SA18

Procurement Code: 05030500 (surface treatment and cleaning equipment)

Cost Range : 400 kCHF - 1.5 MCHF

Planning: MS: Q4 2025 IT: Q2 2026

Contact: David.Smekens@cern.ch

Forthcoming Tendering Procedures

Forthcoming tendering procedures expected to exceed 200k CHF are listed below. Except if specified otherwise, the firms that have the right to reply to the Market Survey are only the ones which country of origin of supplies and services is one of CERN Member States.

If you would like to know more about a specific procedure, please, click on one of the following procedures. In case you are interested in a specific Market Survey, you will find the related document under "Available action". However, if the Market Survey documents have not been released yet, you are invited to express your interest by sending an email to the email address depicted in the same section.

Firms may reply as long as the tendering procedures are still on this page. Therefore, in case the deadline for replies indicated in the Market Survey cover letter is over, disregard the date on the cover letter but please send your reply to the Market Survey as soon as you can.

If you have any questions, please address them to procurement.service@cern.ch or to the procurement or technical officers in charge of the corresponding market survey.

Finally, we invite you to consult this page frequently as the status of each procedure is regularly updated.

Type keywords e.g. Magnets, Software, Civil Engineering, ...

200k 400k 1.5M 5M 10M ∞
Cost Range (CHF)

More Filters Share Search Results Reset Filters

Publication date	Type of contract	Reference	Description	Cost Range (CHF)	Status	Next step
05/02/2026	Supply	MS-5164/SCE	Supply of Fire Doors for LS3	400k - 1.5M	Announcement	Market Survey 03/2026

<https://forthcoming-ms.app.cern.ch/#!/>



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As one of our suppliers, we need to make sure you receive our email notifications. To ensure our emails reach your inbox please add our email procurement@cern.ch to your safe senders and check your spam filter settings. Thank you

Welcome to CERN's Supplier Portal

Through this portal you can

- Register your firm into CERN's supplier database by entering firm's details
- Update your firm's profile by modifying existing information or adding new one
- Send and receive correspondence related to orders and invoices

How do I get started?

- If you are already registered in CERN's supplier database, you can gain full access to CERN's supplier portal by entering your e-mail address and password and selecting Login.
- If you wish to be registered in CERN's supplier database, you should select the Register option and fill in the necessary information.
- Once you have been successfully registered in CERN's supplier database, you will receive a confirmation e-mail.
- Then, you can gain full access to CERN's supplier portal by entering email address and password and selecting Login.

For more information select the Help option.

CERN's website: <http://procurement.web.cern.ch/>

<https://procurement.cern.ch/asp/Home>

Thank you



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