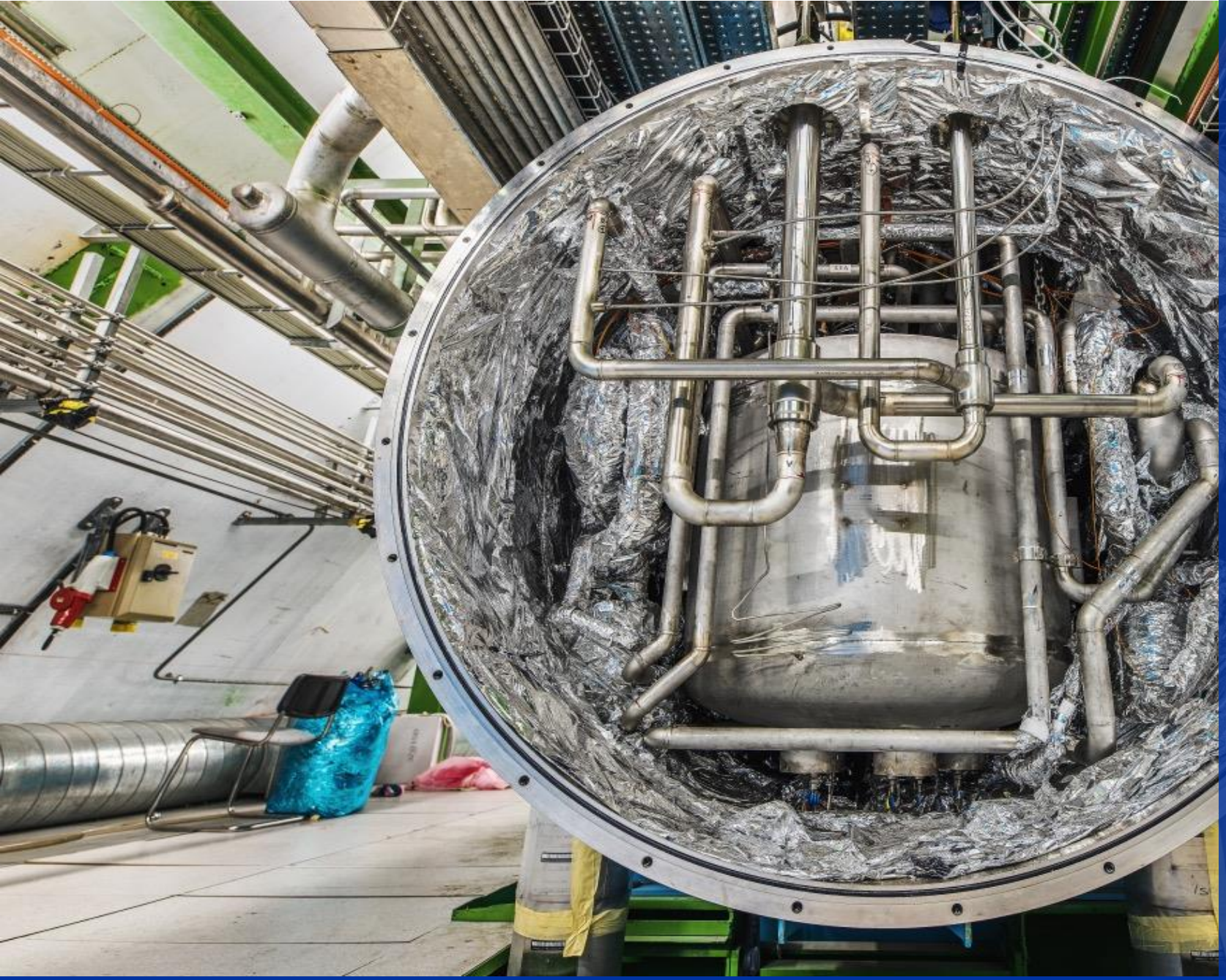
Upcoming Tenders at CERN

Industry Webinar

Joshua Davison

IPT-PI

18-09-2024



Cooling & Ventilation Cryogenics

NA-CONS: BA80 cooling station consolidation and upgrade

Procurement Code: 01 03 03 00 (Civil engineering, building and technical services)

Cost Range : 1.5M – 5M CHF

Planning: MS: Q3 2024 IT: Q4 2024

Scope:

- Design, supply, installation, testing and commissioning of the demineralised water cooling station and water distribution network in BA80.
- In order to improve the operability, reliability, availability, maintainability and safety, the demineralised water cooling plant in North Area building BA80 will be subject to consolidation by replacing the aging mechanical equipment.
- At the same time, the cooling plant capacity will be increased to cope with the additional load required by the new water-cooled Power Converters that will be installed as part of NA-CONS Phase 1 project.

Contact: laurentiu.vlasceanu@cern.ch

NA-CONS: CT2 cooling upgrade and consolidation

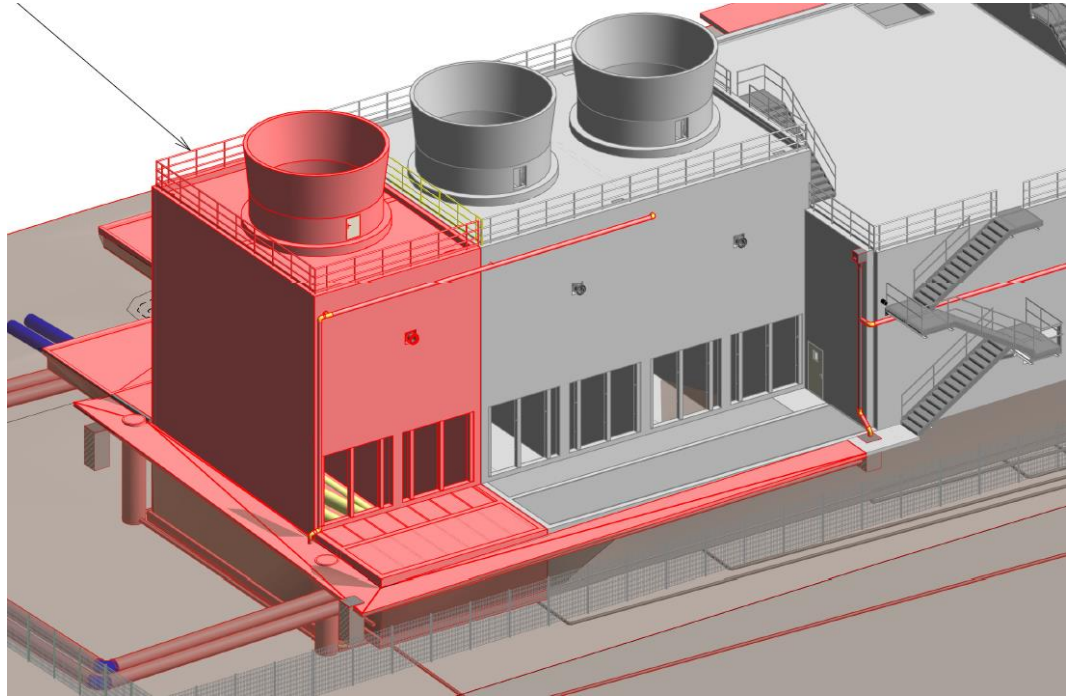
Procurement Code: 01 03 03 00 (Civil engineering, building and technical services)

Cost Range : 400k- 1.5M CHF

Planning: MS: Q4 2025 IT: Q1 2026

Scope:

- Design, supply, installation, testing and commissioning of the 5th cooling tower cell in CT2.
- Start of the Contract: Q1 2026



Contact: laurentiu.vlasceanu@cern.ch

Cooling system Blanket Purchase Contract

Procurement Code: 01 03 03 00 (Civil engineering, building and technical services)

Cost Range : >10M CHF

Planning: MS: Q3/4 2024 IT: Q1 2025

Scope:

- Design, supply and installation, test and commissioning of cooling systems on the CERN Site.
- Several cooling plants will be consolidated or newly installed during and after Long Shutdown 3 both at the level of LHC, HL-LHC and Experiments.
- Projects will range from small to medium and large sizes (<40 kCHF, 40-200 kCHF, 200+ kCHF).
- All components shall comply with the technical prescriptions.

Duration: 5+1+1 years blanket purchase contract.

Contact: francesco.dragoni@cern.ch

SRF/SA18 Cooling and ventilation systems

Procurement Code: 01 03 00 00 (Civil engineering, building and technical services)

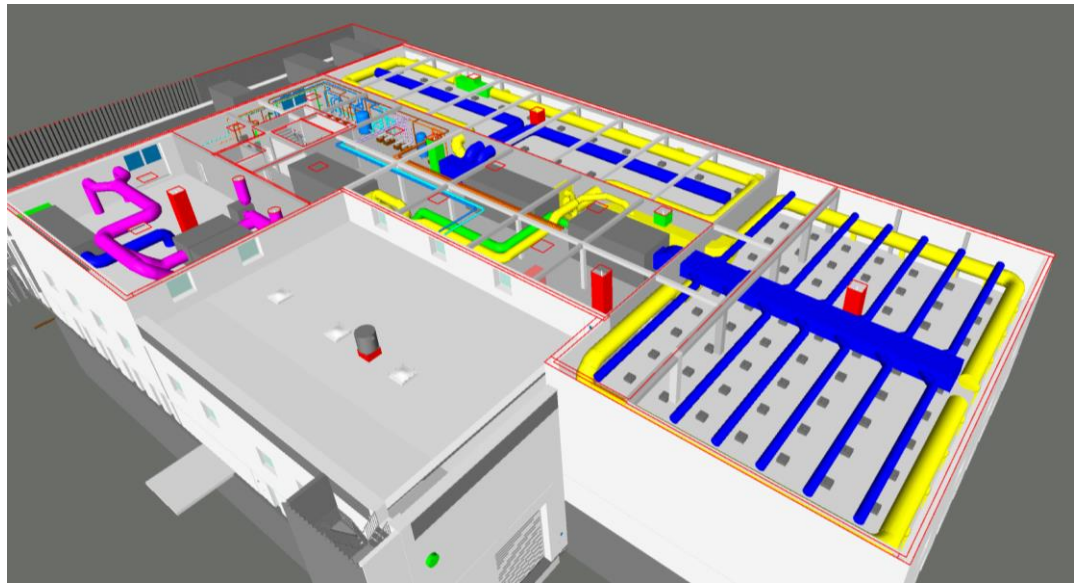
Cost Range : 5M – 10M CHF

Planning: MS: Q4 2024 IT: Q3 2025

Scope:

- 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.
- Start of the Contract: Q3 2026

Eligible Firm Profile: Proven experience in the installation of HVAC systems of similar size and complexity. Then, in the installation of air treatment systems with wet scrubbers. Finally, in the execution of similar projects in accordance with the European and French regulations



Contact: theodoros.aivaliotis@cern.ch

SRF/SA18 Cleanrooms construction

Procurement Code: 01 03 00 00 (Civil engineering, building and technical services)

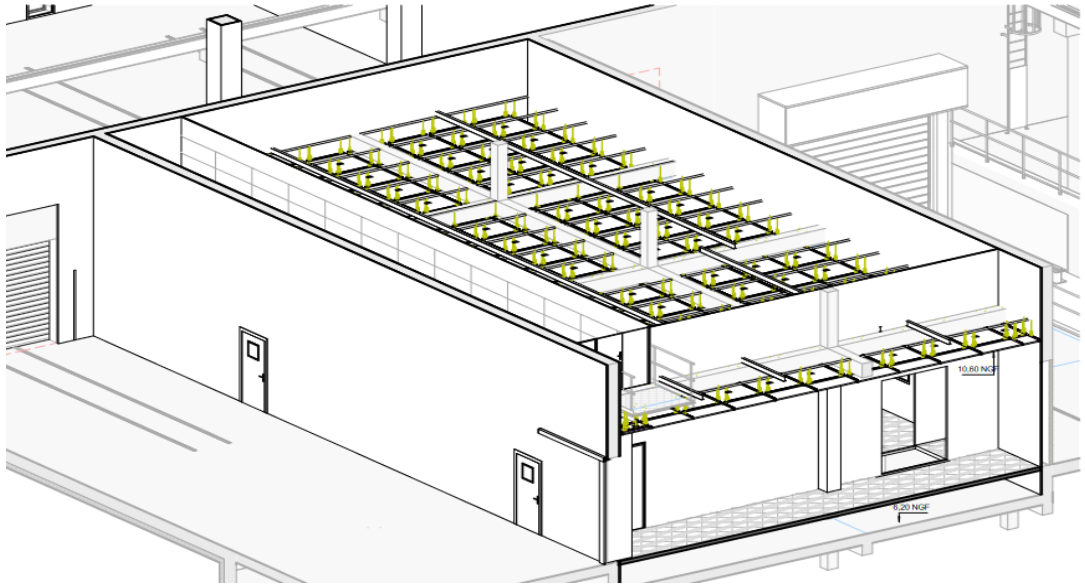
Cost Range : 5M – 10M CHF

Planning: MS: Q4 2024 IT: Q3 2025

Scope:

- 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.
- Start of the Contract: Q3 2026

Eligible Firm Profile: Proven experience in the construction of laminar flow ISO Class 4 cleanrooms and mixed flow ISO 8 cleanrooms of similar size and complexity. Furthermore, in the execution of similar projects in accordance with the European and French regulations.



Contact: theodoros.aivaliotis@cern.ch

SRF/SA18 Natural refrigerant heat pumps/chillers

Procurement Code: 01 03 01 03 (Civil engineering, building and technical services)

Cost Range : < 750k CHF

Planning: MS: Q3 2025 IT: Q1 2026

Scope:

- Supply of the Air Source Heat Pumps (ASHPs), which will generate heating and cooling water for the new building SA18 at Point 1.8 of the LHC.
- Start of the Contract: Q4 2026

Eligible Firm Profile: Proven experience in the supply of units of similar cooling and heating capacities. Then, utilisation of a natural refrigerant with very low GWP. Finally, energy performance validated in accordance to EN14511.

Contact: theodoros.aivaliotis@cern.ch

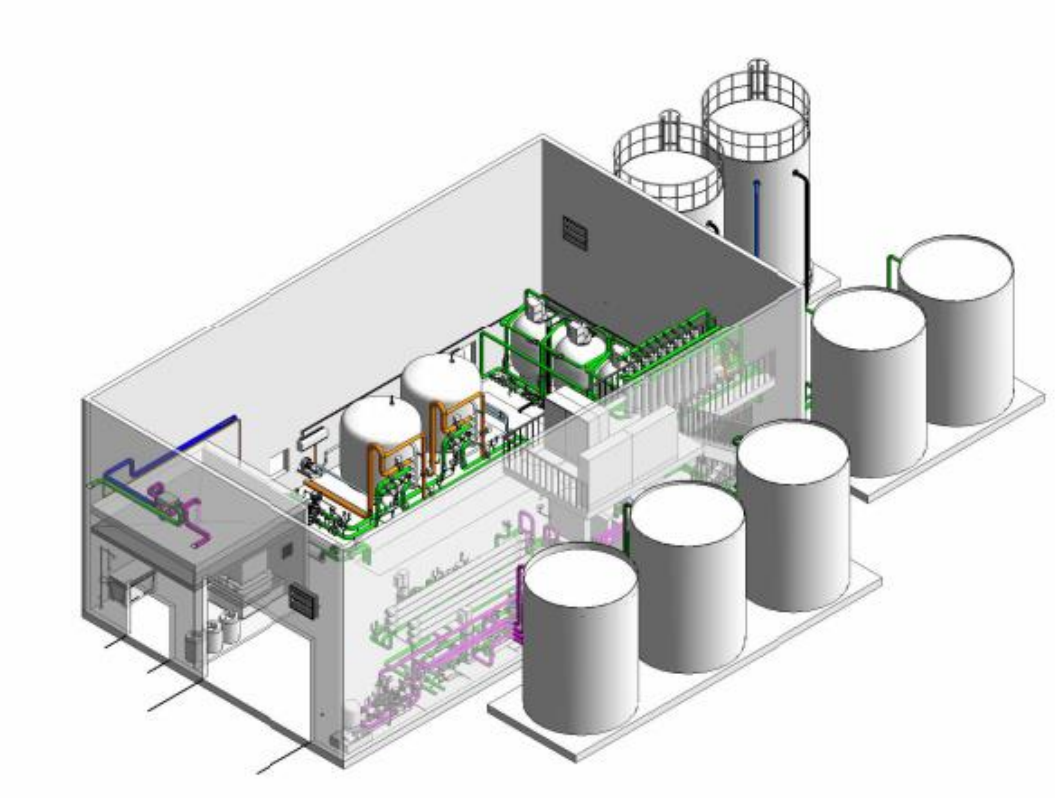
Water treatment plant in point 1

Cost Range : 750k - 5M CHF

Planning: MS: Q1 2027 IT: Q3 2027

Scope:
Design, supply, installation, test and commissioning of a water treatment plant including :

- Filtration: multimedia filters, ultrafiltration.
- Softeners.
- Reverse osmosis.
- Tanks and piping.
- Power and control cubicles.



Contact: serge.deleval@cern.ch

Electrical Engineering & Magnets

UPS 20-200 kVA (MS-4959)

Procurement Code: 02 30 40 00 (Electrical Engineering and Magnets)

Cost Range : <750k CHF

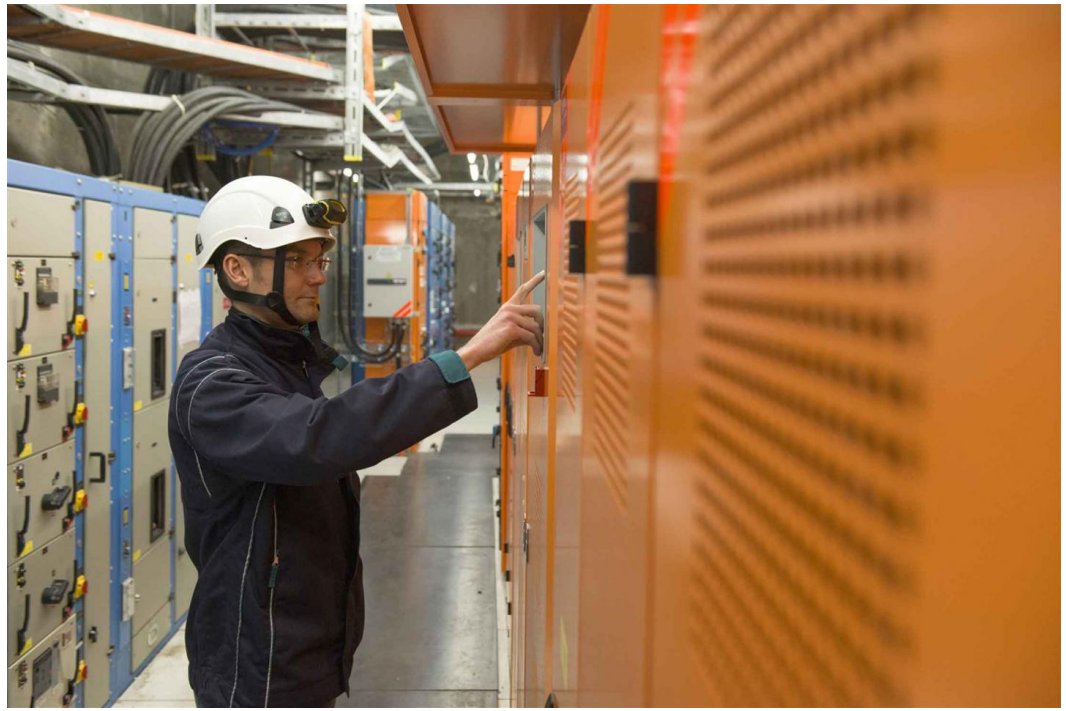
Planning: MS: published, IT: Q4 2024

Scope:

- Supply of modular UPS in the range of 20 - 200 kVA, incl. design and supply
- 25 Units in 2025
- 15 additional Units in the next years of the Contract

Duration: 5 years Blanket contract

Eligible Firm Profile: Interested firms shall have proven experience and competence in more than 5 years in design, production, commissioning of medium or large UPS in the range from 20 to 3'000 kVA



Contact: Joel.Lahaye@cern.ch

400 kV circuit breakers and 66 kV disconnector switches (MS-5038/EN)

Procurement Code: 02 02 01 00 (Electrical Engineering and Magnets)

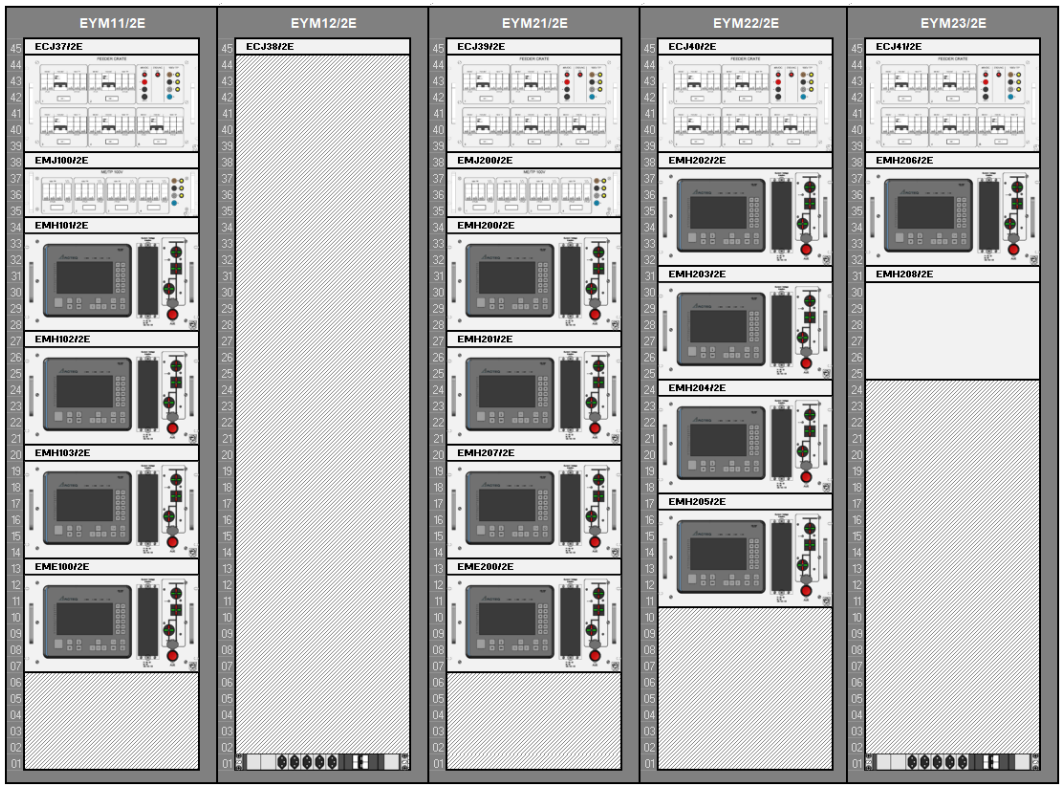
Cost Range : 400k - 1.5M CHF

Planning: MS: Q4 2024 IT: Q1 2025

Scope:

- Supply of 5 Circuit Breakers 400 kV and 18 disconnector switches 66 kV.

Eligible Firm Profile: Firms must have a long-term proven experience and competence in the design and manufacturing of high voltage equipment.



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Contact: George.Podoleanu@cern.ch

Crates for Relays (MS-5034/EN)

Procurement Code: 02 70 01 00 (Electrical Engineering and Magnets)

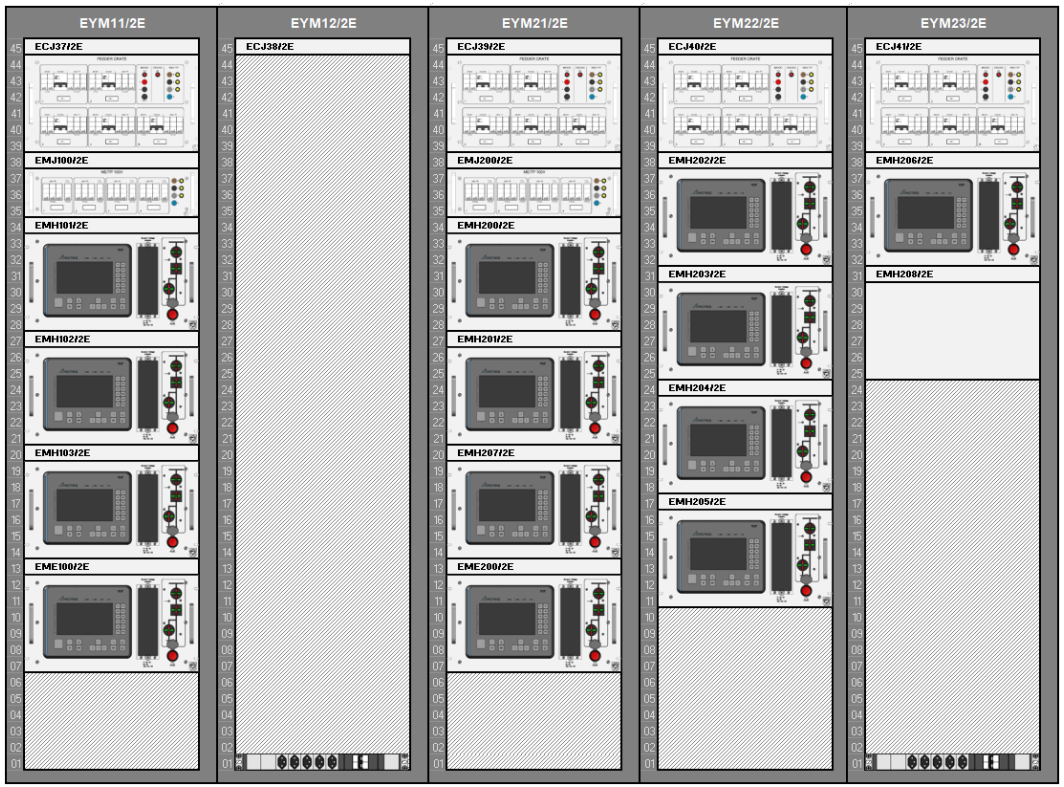
Cost Range : 400k - 1.5M CHF

Planning: MS: Q4 2024 IT: Q1 2025

Scope:

- Supply of numerical protection relay crates for housing protection of 275 relays in 19” racks.

Eligible Firm Profile: Firms must have in-house facilities for the production and assembly of the specified protection relay crates and hold ISO9001-2000 quality certification or equivalent.



Contact: Joni.Leppilhati@cern.ch

Power Modules 14 kA (4948/SY)

Procurement Code: 02 10 05 00 (Electrical Engineering and Magnets)

Cost Range : 750k – 5M CHF

Planning: IT: Q3/4 2024

Scope:

- Production and testing of 216 power modules (Input and Output), parts of a [14kA; 08V] converter for HL-LHC project.
- Build to print

Eligible Firm Profile: Firms must have in-house facilities for the assembly and test of the specified power magnetics and hold ISO9001-2000 quality certification or equivalent.

Contact: Yves.Thurel@cern.ch

Power Magnetics for 14 kA Power Modules (MS-4982/SY)

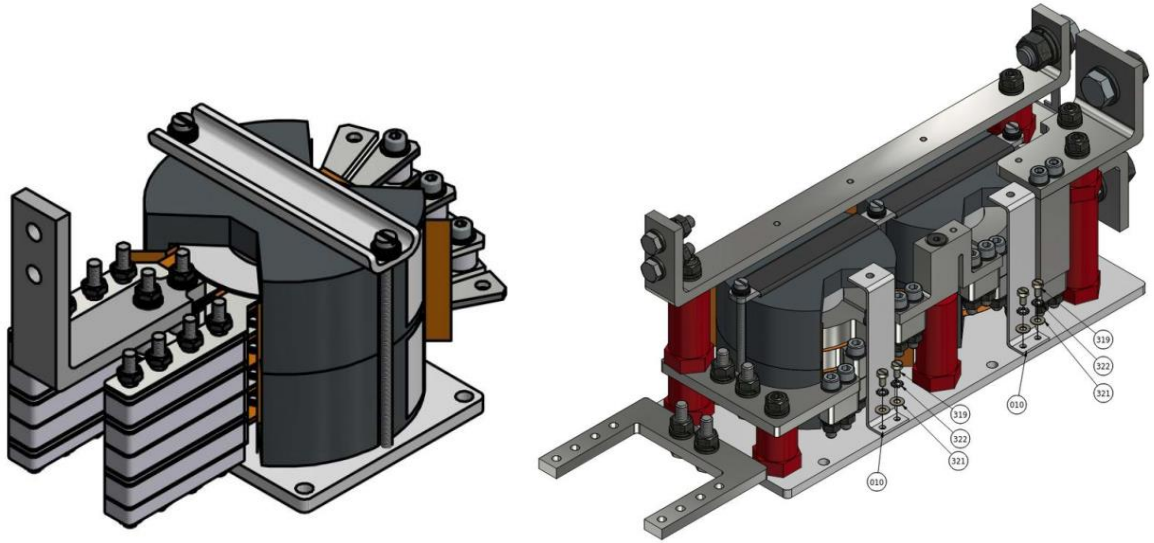
Procurement Code: 02 10 10 00 (Electrical Engineering and Magnets)

Cost Range : 200k - 750k CHF

Planning: MS: published IT: Q3 2024

Scope:
- 580 complete units of power magnetics; each unit composed by a Transformer and an Inductor.

Eligible Firm Profile: Firms must have in-house facilities for the assembly and test of the specified power magnetics and hold ISO9001-2000 quality certification or equivalent.



Contact: Yves.Thurel@cern.ch

Three Diesel Generators (MS-4974/EN)

Procurement Code: 02 70 01 00 (Electrical Engineering and Magnets)

Cost Range : 750k – 5M CHF

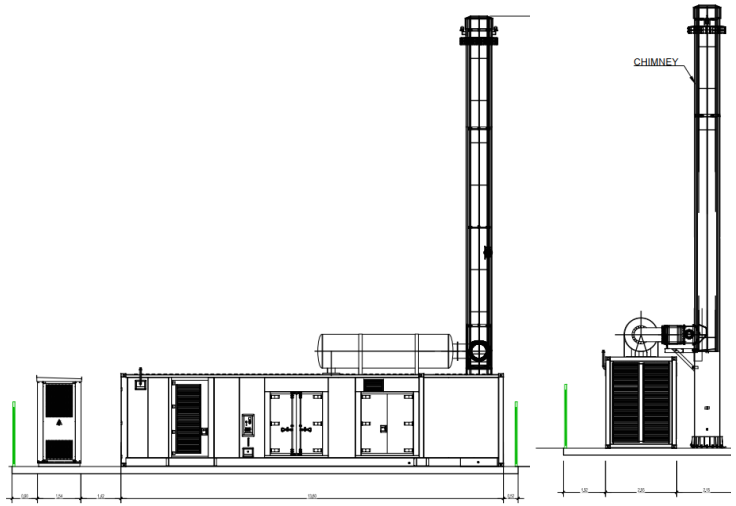
Planning: MS: Published IT: Q4 2024

Pre-engineering (done by CERN) during 2024 / Design + engineering during Q1 and Q2 2025 / Start of commissioning Q4 2025

Scope:
Supply, installation and maintenance of three diesel generators (including all civil engineering work):

- One unit 400 V 800 kVA ESP (replacement of an existing generator);
- Two units of 400 V 2MVA ESP (including chimney and diesel buried tank).

Eligible Firm Profile: Proven experience and competence in: - Design, supply, installation and commissioning of diesel generators power stations of an ESP (Emergency Standby Power system) of at least 2 MVA; - Project management of a turnkey projects covering engineering, procurement, civil engineering works, installation, and commissioning of diesel generators; - Civil engineering works following French regulations or an ability to evaluate, analyse and comply with them.



Contact: Pablo.Valdes@cern.ch

60-wire planetary cabling machine (MS-4905/TE)

Procurement Code: 02 25 05 03 (Electrical Engineering and Magnets)

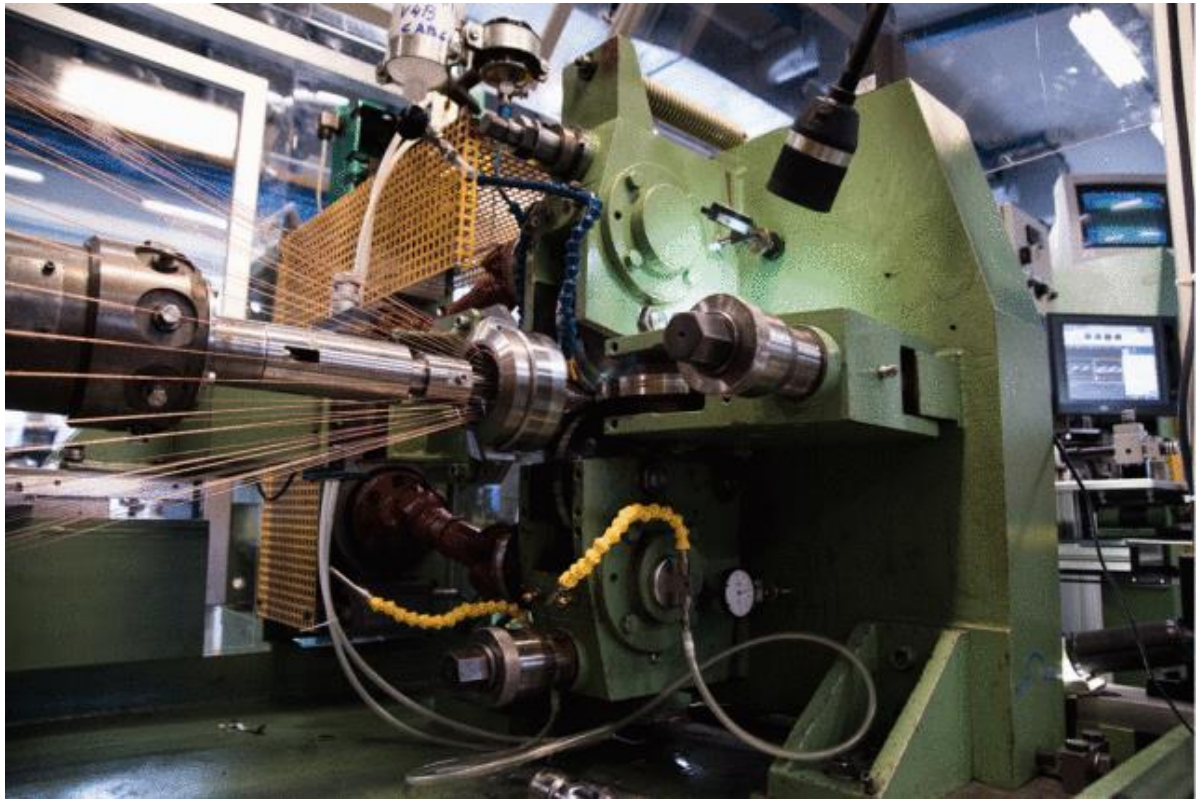
Cost Range : ≤ 750k

Planning: MS: Published IT: Q4 2024

Scope:

- Planetary cabling machine for manufacture of cables of up to 60 superconducting or copper wires and round cables

Eligible Firm Profile: Interested firms shall have a proven experience and competence in designing and manufacturing of planetary cabling machines for metal wires



Contact: Francois-Olivier.Pincot@cern.ch

Fibre glass cable insulation (MS-4968/TE)

Procurement Code: 02 25 04 03 (Electrical Engineering and Magnets)

Cost Range : 750k – 5M CHF

Planning: MS: published IT: Q4 2024

Scope:
3-year blanket purchase contract, estimated 57 km of cables to be insulated

- Tailor-made insulation in fibre glass for magnet cables, for HFM programme
- Production line must be in a separate, dedicated space to avoid contamination

Key conditions:

- Clean room (grey, ISO8)

Eligible Firm Profile: Interested firms must have proven experience with fibre (glass) braiding, braiding around large rectangular cable and finally with horizontal braiding systems

Contact: Francois-Olivier.Pincot@cern.ch

Step-up transformers for RF LHC (MS-4979/SY)

Procurement Code: 02 01 05 00 (Electrical Engineering and Magnets)

Cost Range : 200k – 750k CHF

Planning: MS: published IT: Q4 2024

Scope:

- Supply of five Oil tanks units containing two identical transformers rated 2MVA, 28kV/1kV each, insulated to ground at 60kV.
- Each unit of this supply consist of two immersed oil transformers in one tank for outdoor use.

Eligible Firm Profile: Interested firms must have in-house facilities for the production, assembly, and testing of Oil-immersed High Voltage Power transformers.

Contact: davide.aguglia@cern.ch

Normal-conducting Electromagnets, Yokes, and Coils (MS-4994/TE)

Procurement Code: 02 25 02 00 (Electrical Engineering and Magnets)

Cost Range : 750k – 5M CHF

Planning: MS: published IT: released regularly

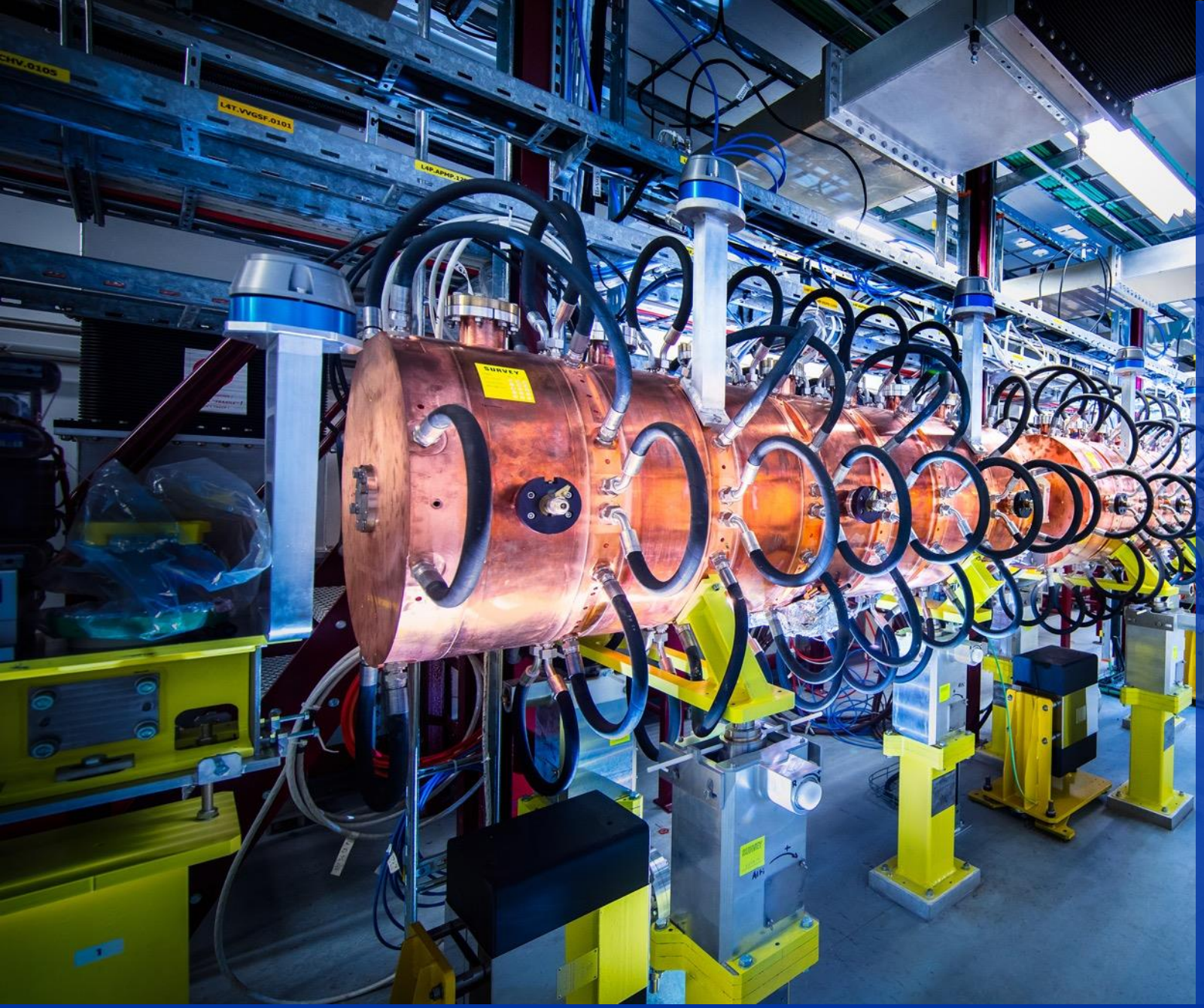
Scope:
Whole Magnets:
- Laminated (Air/Water Cooled) from 1 to 20 tons
- Solid (Air/Water Cooled) from 1 to 20 tons

Yokes:
- Laminated (Air/Water Cooled) from 1 to 20 tons
- Solid (Air/Water Cooled) from 1 to 20 tons

Coils:
- Length: Up to 1000 mm / Length: From 1000 to 5000 mm / Length: Above 5000 mm

Eligible Firm Profile: Interested firms shall have a proven experience and competence in the field of normal-conducting electro magnets, yokes or coils manufacturing, in the field of mechanical design and in the field of electrical and thermal measurement and hydraulic tests.

Contact: antony.newborough@cern.ch



Electronics & Radiofrequency

Custom designed PCIe based fibre optics I/O cards

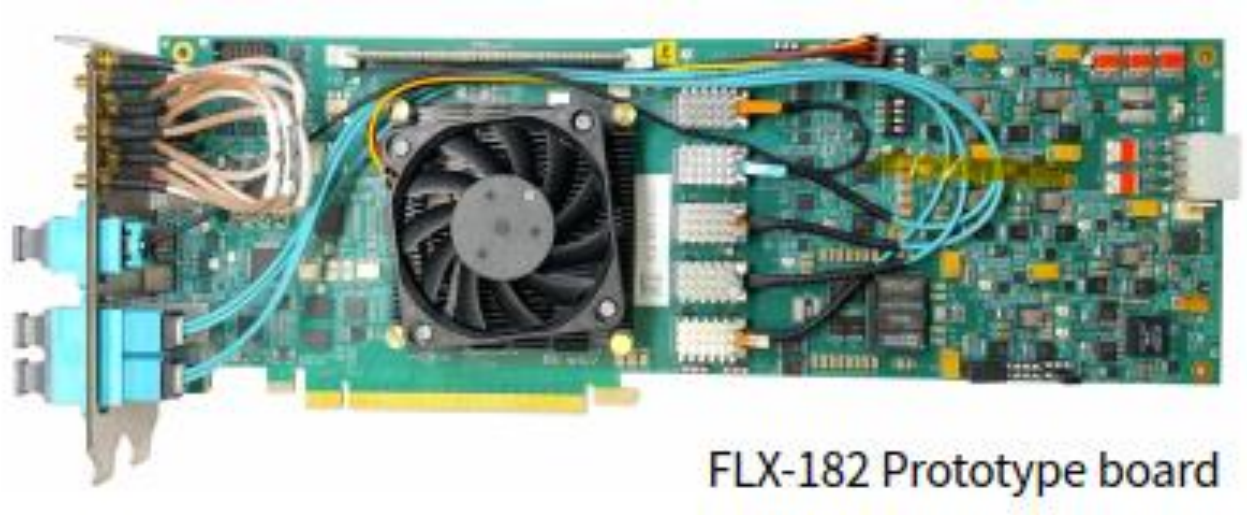
Procurement Code: 03 04 09 00 (PCI, PCIe modular electronic boards)

Cost Range : 400 K – 1.5 M CHF

Planning: MS : Q4 2024
IT: Q1 2025

Scope:
Assembly and testing of approx. 800 PCBs

- Versal Prime VP1552 FPGA
- PCIe Gen5 x16
- Up to 52 optical links, link speed up to 25 Gb/s
- Overall PCB dimensions: 311.99 x 106.65 m
- 24 layers and a thickness of (3.00 ± 0.28) mm
- PCB material is EM980K



FLX-182 Prototype board

Duration: Production over 12 months

Eligible Firm Profile: Interested firms shall have proven experience and competence in assembly and test of PCBs of the complexity required.

Contact: Carlo.Alberto.Gottardo@cern.ch

Supply of Micro-D Connectors and Cables

Procurement Code: 02 05 03 00 (Multiconductor cables)
03 02 04 03 (Rectangular connectors)

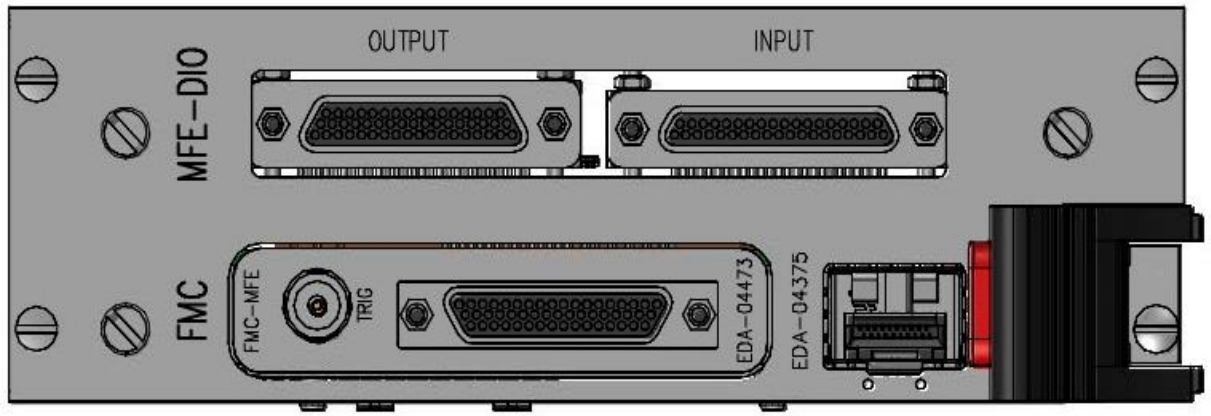
Cost Range : 400 K – 1.5 M CHF

Planning: MS : Q4 2024
IT: Q1 2025

Scope:
Procurement of high-reliability, MIL-DTL-83513 standard Micro-D connectors and cables.
400 sets of three types (51-way plug, 51-way socket, 37-way plug) PCB connectors and
400 sets of three types of corresponding cables.

Duration: Production over 12 months

Eligible Firm Profile: Interested firms shall have experience in manufacturing Micro-D connectors and low-smoke zero halogen cables.



Contact: Erik.van.der.Bij@cern.ch

HL-LHC Crab cavities RF Circulators & Loads

Procurement Code: 03 06 01 00 (Electronics and radio frequency)

Cost Range : 750k - 5M CHF

Planning: MS: Q3/4 2024 IT: Q4 2024

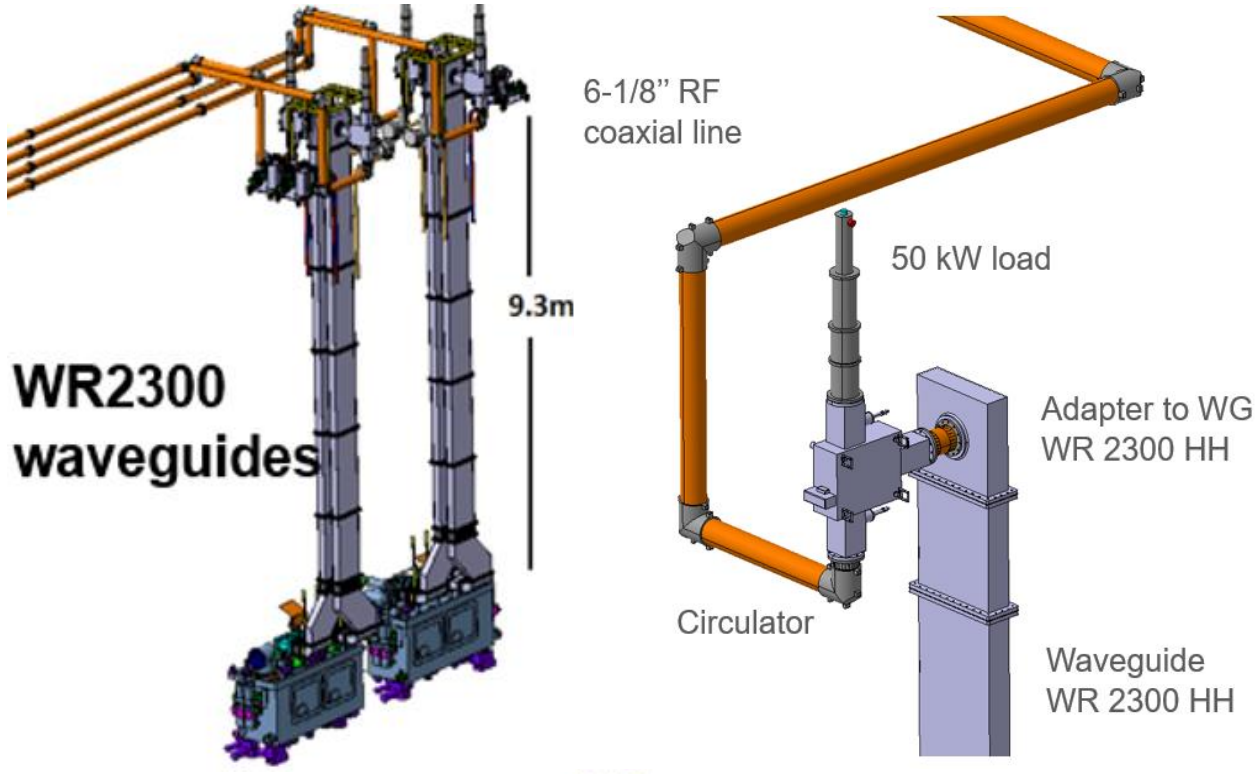
Scope:

- Supply of 18 x circulators for the HL-LHC Crab cavities.

Key conditions:

- Design & manufacturing expertise : CERN will provide a functional specification and the Contractor shall design and manufacture accordingly (Detailed Design File to be approved by CERN)
- Start of the Contract: Q1 2025

Eligible Firm Profile: Interested firms shall have a proven experience and competence in in the design and the manufacturing of circulators for High Power RF systems.



Contact: eric.montesinos@cern.ch

HL-LHC Crab cavities HPRF stations

Procurement Code: 03 06 01 00 (Electronics and radio frequency)

Cost Range : 5M - 10M CHF

Planning: MS: Q3/4 2024 IT: Q4 2024

Scope:

- Supply of 18 HPRF stations (High Power Radio Frequency station) powering IOTs for the HL-LHC Crab cavities.

Key conditions:

- Design and Manufacturing expertise in HPRF equipment
- Capacity to produce in the systems in the required timeframe.
- Start of the Contract: Q1 2025

Eligible Firm Profile: Interested firms shall have a proven experience and competence in design and manufacturing in the field of High-Power RF Systems.

Contact: eric.montesinos@cern.ch

HL-LHC HPRF Waveguides

Procurement Code: 03 02 12 00 (Electronics and radio frequency)

Cost Range : 750k - 5M CHF

Planning: MS: Q3/4 2024 IT: Q4 2024

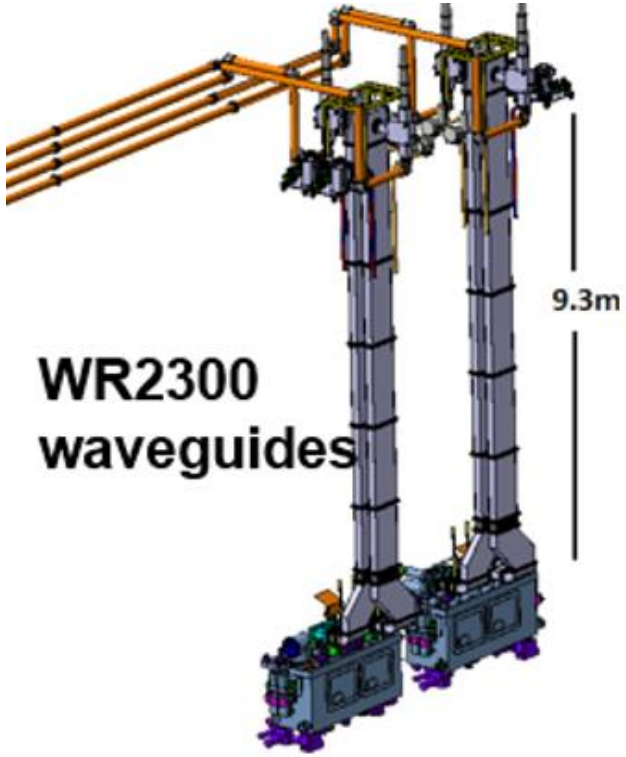
Scope:

- Supply of 18 Waveguides + spares for the HL-LHC Crab cavities

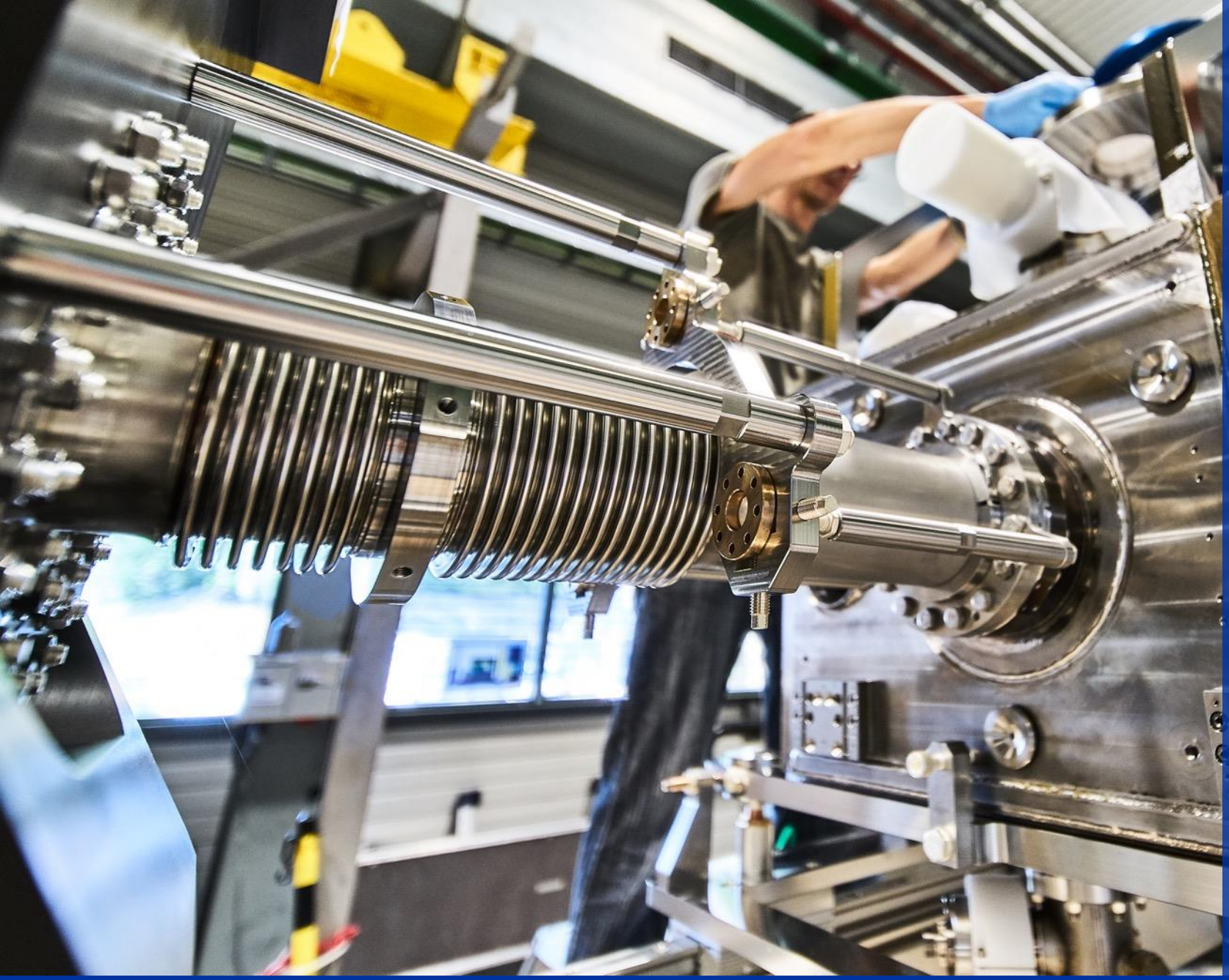
Key conditions:

- Design and Manufacturing expertise in HPRF equipment
- Capacity to produce in the systems in the required timeframe.
- Start of the Contract: Q1 2025

Eligible Firm Profile: Interested firms shall have a proven experience and competence in the manufacturing of waveguides for High Power RF systems.



Contact: eric.montesinos@cern.ch



Mechanical Engineering & Raw Materials

Motoreductors (DO-34377/BE)

Procurement Code: 05 01 07 00 (Mechanical engineering and raw materials)

Cost Range : 200k - 400 k CHF

Planning: DO: Q4 2024

Scope:

- Performance specification: 207 compact, high-torque and backlash-free motoreductors, which shall be radiation resistant

Eligible Firm Profile: Firms shall be **experienced** in producing motoreductors of the characteristics defined above.

Contact: Mateusz.Sosin@cern.ch

Ultra precision machining of copper disks (DO-34382/SY/CLIC)

Procurement Code: 05 04 02 00 (Mechanical engineering and raw materials)

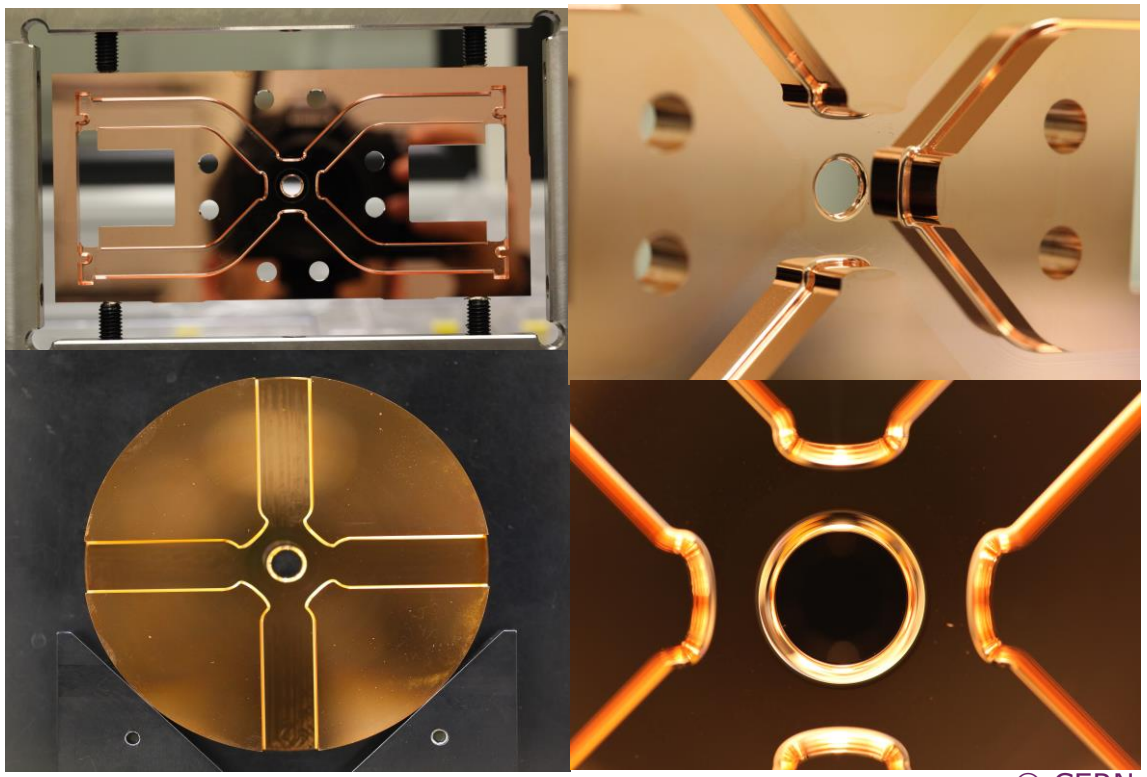
Cost Range : 200k - 400 k CHF

Planning: DO: Q4 2024

Scope:

- Build-to-print specification: ultra precision machining of copper disks

Eligible Firm Profile: Firms shall have **CNC** and **CMM**, **experience** in machining tight tolerances and shall succeed in providing a prototype of the disc.



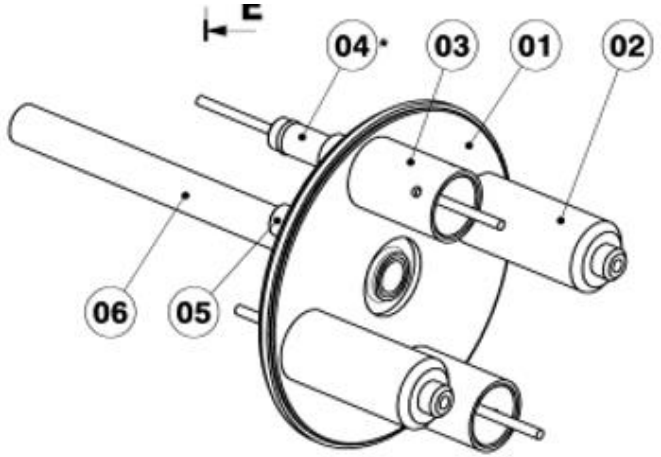
Contact: pedro.morales.sanchez@cern.ch

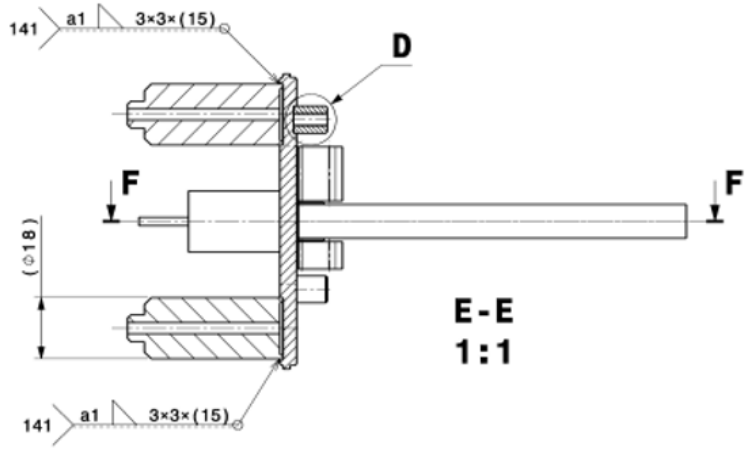
Precision end plates for UHV application (DO-34448/SY/HL-LHC)

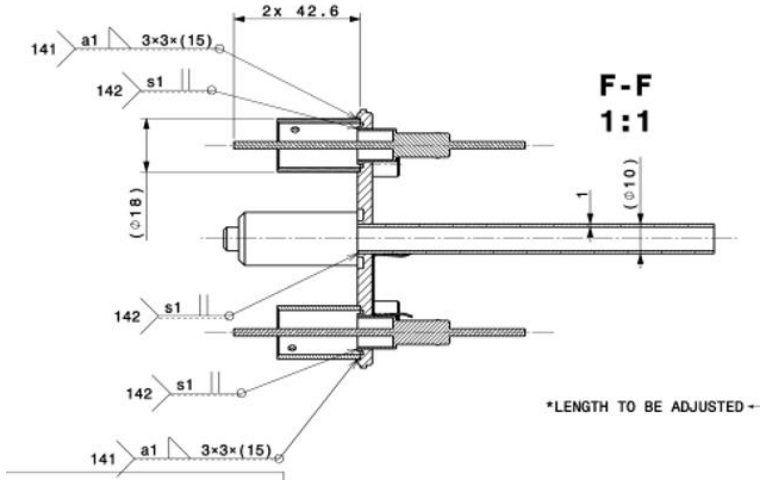
Procurement Code:
06 01 06 06 (Vacuum and low temperature)

Cost Range : 200k - 400 k CHF

Planning: DO: Q4 2024







Scope:

- Build-to-print specification: precision end plates for UHV application.
- Materials: stainless-steel, copper and ceramics.
- Activities involved: machining, cleaning, welding, metrology and leak testing.

Eligible Firm Profile: Firms shall have experience in the activities mentioned above for UHV applications. Firms must provide references.

Contact: Gerhard.Schneider@cern.ch

Tungsten Half Shells of Tungsten alloy (DO-34467/SY/HL-LHC)

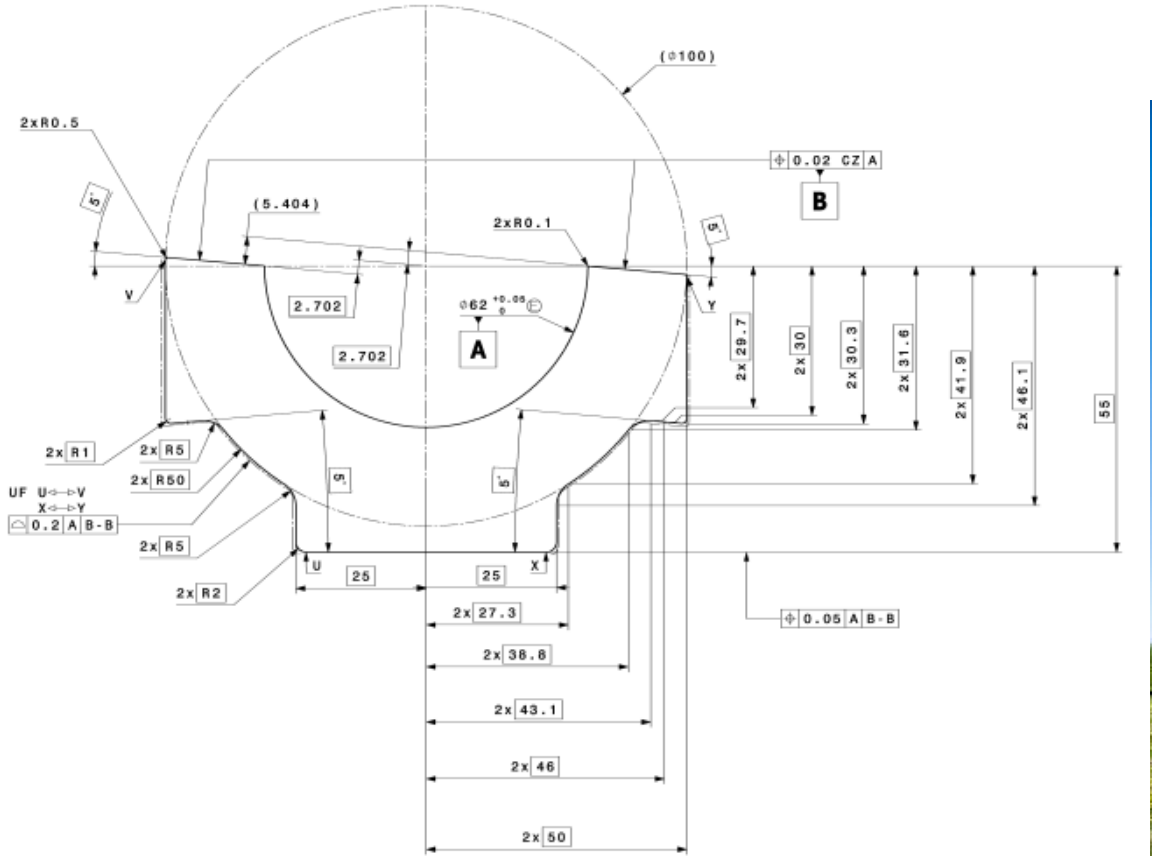
Procurement Code: 05 01 03 07 (Mechanical engineering and raw materials)

Cost Range : 200-400 k CHF

Planning: DO: Q4 2024

Scope:

- Tungsten alloy (W95NiCu) Half Shells, according to the material, dimensions, tolerances, surface treatments and norms and standards defined in the Technical Specification.



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Contact: edouard.grenier-boley@cern.ch

Ti6Al4V forged blanks (MS-5036/SY/HL-LHC)

Procurement Code: 05 01 02 06 (Mechanical engineering and raw materials)

Cost Range : 400k - 1.5M CHF

Planning: MS: Q4 2024 IT: Q1 2025

Scope:

- 44 seamless Ti Gr 5 forged hollow blanks for the vessels of the HL-LHC dumps.
- Main requirements:
- Inner diameter 698.5 mm (cylindricity - tolerance of 0.1 mm).
- Wall thickness 12 mm.
- Length 750 mm

Contact: nicola.solieri@cern.ch

Stainless-steel forged blanks and rings EN 1.4429 AISI 316LN for Ultra-High Vacuum applications (MS-5016/SCE)

Procurement Code: 05 01 03 02 (Stainless Steel)

Cost Range : 5M – 10M CHF

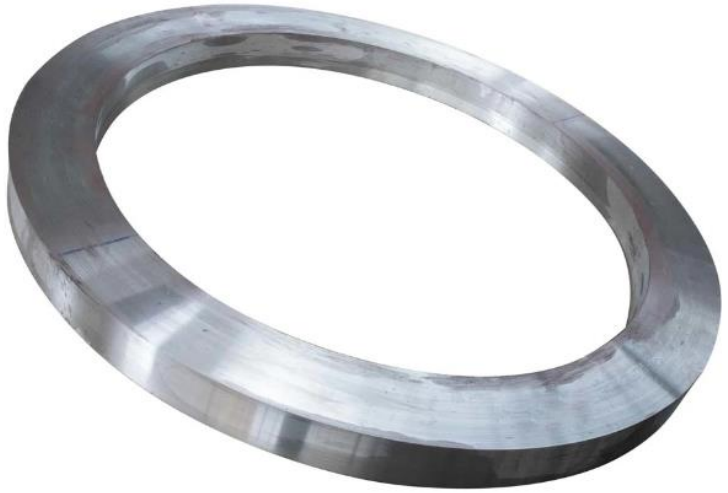
Planning: MS : Q4 2024 IT: Q1 2025
Contract start: 1 July 2025

Scope:

- Supply of 80T stainless steel forged blanks;
- EN 1.4429 AISI 316LN (Electroslag Remelting ESR)

Duration: 5 years

Eligible Firm Profile: Interested firms shall have proven experience and competence in metallurgy, manufacturing, forging and testing of the above-mentioned material.



Contact: Leila.akhouay@cern.ch

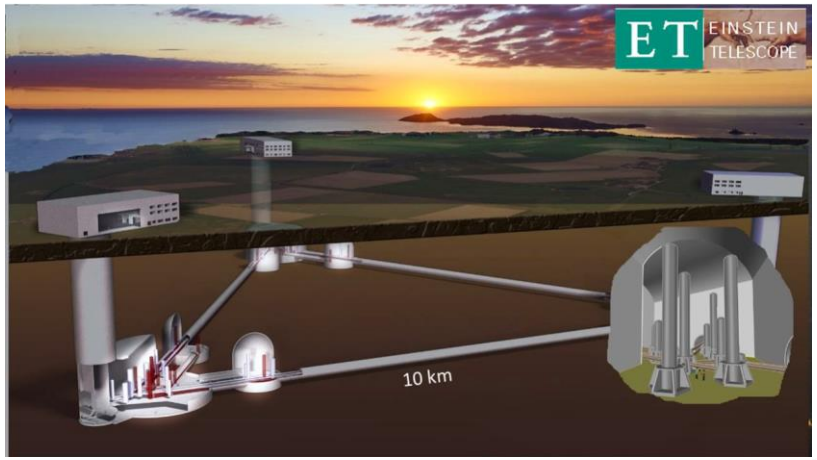
Supply of Corrugated Welded Stainless-Steel Pipes for the Einstein Telescope Pilot Sector

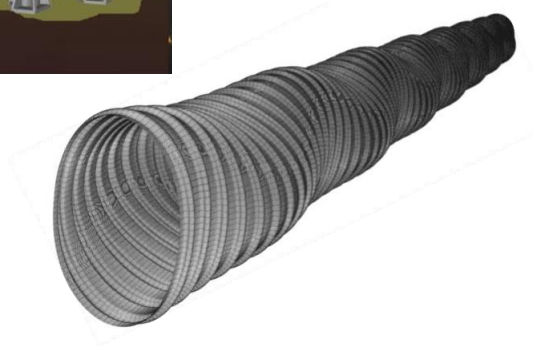
Cost Range : < 750k CHF

Planning: MS: Q4 2024 IT: Q4 2024

Scope:

- Two prototypes with an inner diameter of 1000 mm and a length of at least two metres, featuring corrugation as per the approved final design and fully representative of the foreseen manufacturing process for the series pipes, are to be delivered to CERN prior to the final approval for the manufacturing of seven pipes.
- The contractor shall select the most suitable techniques to perform welding, forming and corrugation of the strip to achieve the final design.





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Composition (wt. %) of the stainless steel according to EN 10028-7:

	C	Mn	Si	P	S	Cr	Ni	Nb	Ti
AISI 441	≤ 0.03	≤ 1.00	≤ 1.00	≤ 0.04	≤ 0.015	17.5-18.5	-	≤ 1.00	0.10–0.60
AISI 304L	≤0.03	≤2.0	≤1.0	≤0.03	≤0.015	17.0-20.0	10-12.5	-	-

Mechanical properties of the stainless steel:

	Yield Strength Rp0.2 (MPa)	Tensile strength Rm (MPa)	Elongation at break A5 (%)
AISI 441	~ 320	~ 480	~ 30
AISI 304L	~220	~520	~45

Contact: cedric.garion@cern.ch

Sensors
Detection
Alarms
Optics
Photonics

OTDR-DTS Optical Interrogator Units

Procurement Code: 08 04 02 00 (Optics and photonics)

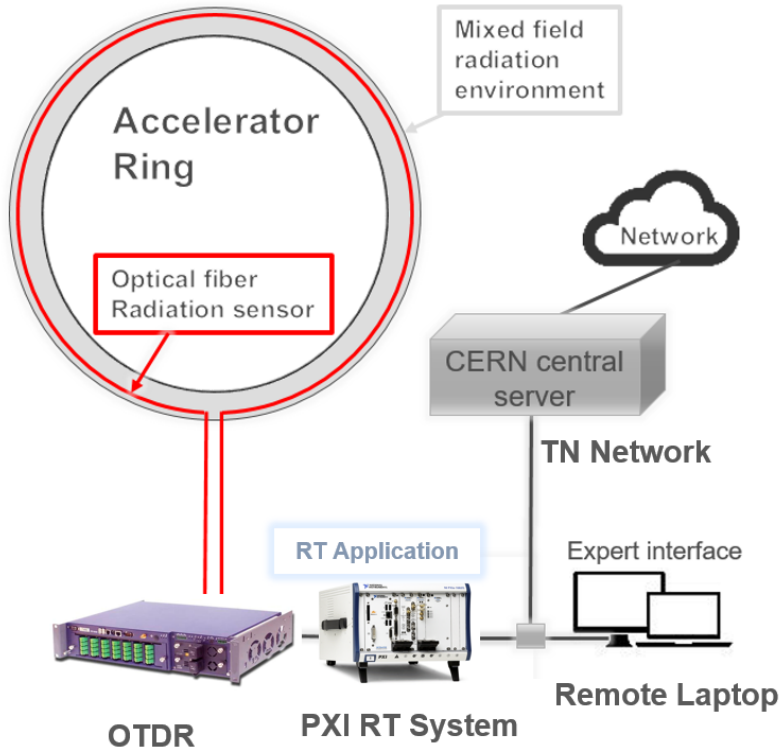
Cost Range : < 750k CHF

Planning: MS: Q4 2024 IT: Q4 2024

Scope:

Optical Time Domain Reflectometer Distributed Temperature Sensors

- Single-mode OTDR (C+L telecom bands).
- Capability to do Rayleigh OTDR traces (needed for the radiation dose measurement)
- Capability to do Raman OTDR traces (needed for the temperature measurement)
- Dual wavelength (to correct radiation effects on the temperature traces)
- High repeatability of Rayleigh OTDR traces
- 11-15 units needed during 2025-26



Contact: Diego.di.Francesca@cern.ch

Sensors for alignment

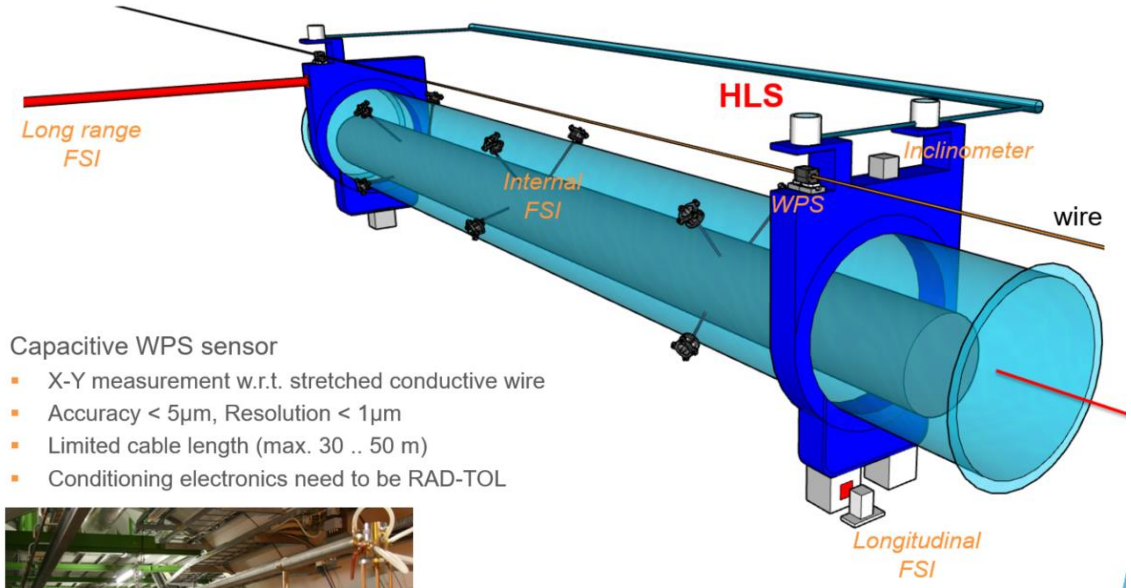
Cost Range : ≤ 750k CHF

Planning: WPS: MS Q3/4 2024, IT Q4 2024 ; HLS: DO Q3/4 2024

Scope:
Alignment system includes the following sensors :

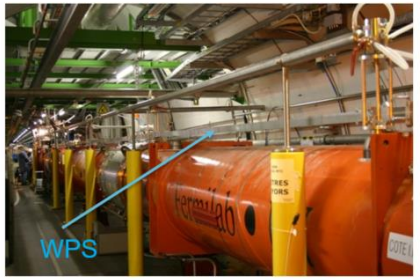
- Wire Positioning Sensors (WPS)
- Hydrostatic Levelling Sensors (HLS)

Duration: Various depending on the procedure



Capacitive WPS sensor

- X-Y measurement w.r.t. stretched conductive wire
- Accuracy < 5µm, Resolution < 1µm
- Limited cable length (max. 30 .. 50 m)
- Conditioning electronics need to be RAD-TOL



Contact: Helene.Mainaud.Durand@cern.ch

Voice Alarm and Evacuation System

Procurement Code: 10 07 01 03 (Health, safety and environment)

Cost Range : 750k - 5M CHF

Planning: MS: Q3 2024 IT: Q4 2024

Scope:

- Design, supply and installation, test and commissioning of the Voice Alarm & Evacuation systems
- New LHC voice systems to be installed and commissioned during LS3, and existing acoustic alarms systems to be renovated
- Smaller projects (non-LHC) of the same nature will be included in the contract at an estimated rate of 3 per year
- Any component to be installed in the LHC shall satisfy the constraints of radiation and helium presence.

Duration: 8 years blanket purchase contract

Eligible Firm Profile: Proven experience and competence in the design, supply, installation and commissioning of alarm and evacuation safety systems with a minimum of 5 years experience.

Contact: eva.sanchez-corral.mena@cern.ch

Information Technology

Elaboration of Technical Specs For Human Capital Management (HCM) Suite Tendering

Procurement Code: 04900200 (Software Development Consultants)

Cost Range : 100k - 400K CHF

Planning: DO: Q4 2024
Contract start: 1 January 2025

Scope:

- In collaboration with business and computing stakeholders, elaboration of technical specifications and qualification criteria for the tendering procedures related to a new HCM Suite solution, its implementation and the implementation QA services

Duration: 6 months

Eligible Firm Profile:

- Interested firms shall have proven competence and experience in accompanying international governmental organisations (similar to CERN) during the selection and implementation of HCM/ERP solutions.

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Contact: Oana.Liteanu@cern.ch, Jan.Janke@cern.ch

Human Capital Management (HCM) Suite

Procurement Code: 04050700 (Application Packages)

Cost Range : 400k – 5M CHF

Planning: MS : Q4 2004
IT: Q3 2025
Contract start: 1 January 2026

Scope:

- Provision of a HCM Suite (HR Information System) incl. at least the domains Core HR, Recruitment, Learning Management, Payroll and optionally Enterprise Performance Management.
- Future extensibility to cover domains such as Finance, Procurement and Supply Chanin Management is desired.

Duration: min. 5 years

Eligible Firm Profile:

- Interested firms shall be recognised for their expertise in providing full-scale HCM solutions. They shall have experience in providing to and supporting such solutions for international governmental organisations.

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Contact: Oana.Liteanu@cern.ch, Jan.Janke@cern.ch

Human Capital Management (HCM) Implementation Services

Procurement Code: 04900200 (Software Development Consultants)

Cost Range : 400k – 5M CHF

Planning: MS : Q4 2004
IT: Q4 2025
Contract start: 1 May 2026

Scope:

- Provision of agile HCM Suite implementation services (tool vendor to be determined in preceding tendering procedure).

Duration: 3 years

Eligible Firm Profile:

- Interested firms shall have proven competence and experience in implementing HCM/ERP solutions in replacement of an existing system.
- They shall be certified implementation partners for the HCM solutions they wish to be considered for.

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Contact: Oana.Liteanu@cern.ch, Jan.Janke@cern.ch

Human Capital Management (HCM)
Implementation Quality Assurance Services

Procurement Code: 04900200 (Software Development Consultants)

Cost Range : 100k – 400K CHF

Planning: MS : Q4 2004
IT: Q4 2025
Contract start: 1 May 2026

Scope:

- Provision of Quality Assurance services during the HCM Suite implementation period. As part of the HCM implementation Steering Committee act as intermediate between CERN's implementation partner and CERN.

Duration: 3 years

Eligible Firm Profile:

- Interested firms shall have proven competence and experience in providing quality assurance for HCM/ERP implementation projects.
- Firm has to be fully independent from the chosen HCM implementation provider.

Contact: Oana.Liteanu@cern.ch, Jan.Janke@cern.ch

CERN Fire & Rescue Service Operational Management Software

Procurement Code: 04 05 07 00 (Information technology)

Cost Range : < 750k CHF

Planning: MS: Q3 2024 IT: Q4 2024

Scope:

- Software must cover the entire workflow and lifecycle of FRS operations including:
- Receiving alerts
- Response management
- Action traceability
- Archiving, statistics and reporting
- The software must be able to integrate/interact with other software already used at CERN such as CSAM, GIS portal, etc.

Duration: 5 years

Eligible Firm Profile: Only firms with previous experience in developing and deploying operational management software for fire brigades/emergency services will be considered.

Contact: Jean.Audrain@cern.ch

Software solution to perform CERN car sharing service and CERN car fleet management

Procurement Code: 11 10 02 03 (Transport, Handling and Vehicles)

Cost Range : 750k – 5M CHF

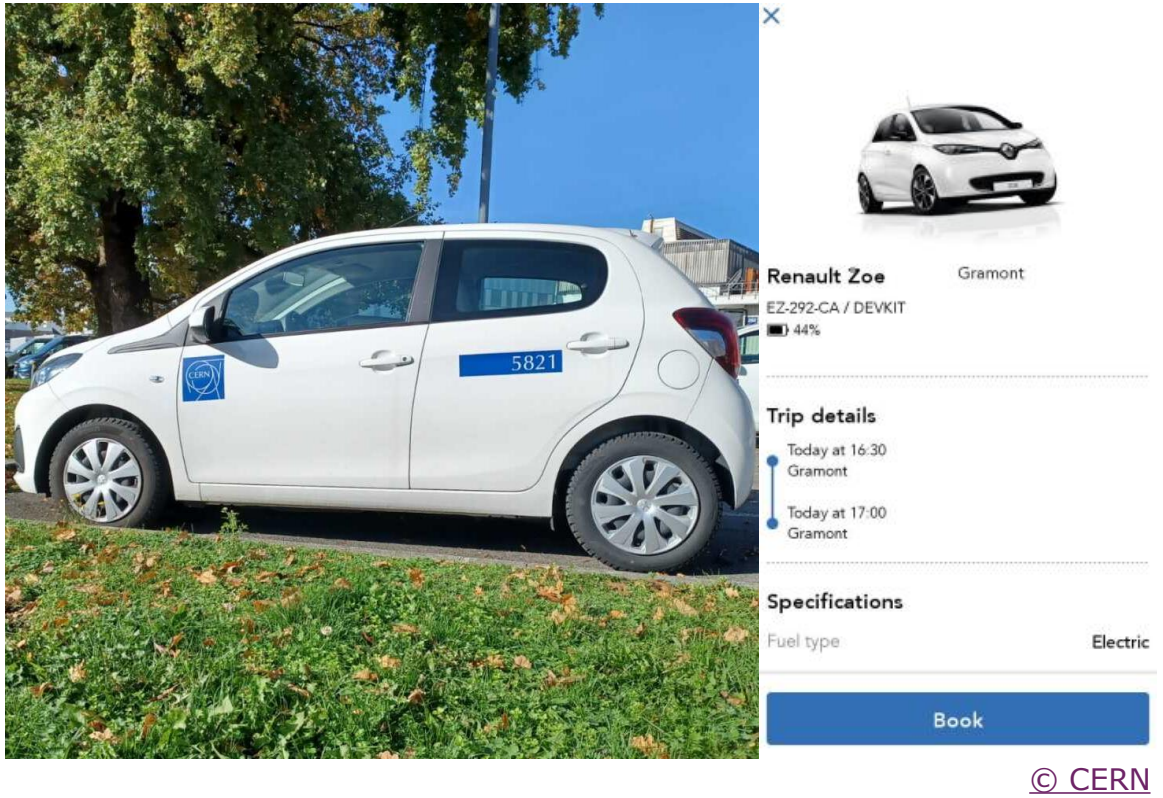
Planning: MS: closing soon IT: Q4 2024

Scope:

- Design, supply and installation, test and commissioning of the software managing the car sharing and the fleet management.
- New software to be installed and commissioned end of 2024-beginning of 2025.
- Fleet management will concern +/- 500 vehicles in 2028.
- Car sharing will concern +/- 300 vehicles in 2028.

Duration: 3 years blanket purchase contract.

Eligible Firm Profile: Interested firms shall have a proven experience and competence in supplying cars ensuring compliance with Swiss standards, importation free of taxes and customs duties, and registering vehicles with the "Service des Automobiles de Geneve".



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Contact: Stephanie.Blanchard@cern.ch

Onsite & Offsite Services

Construction of new Building 777 (MS-4977/SCE)

Procurement Code: 01 02 01 00 and 01 02 01 02 (Civil engineering, building and technical services)

Cost Range : 10M CHF

Planning: MS closing soon / IT Q3 2024

Scope:
General contractor to construct new Building 777 on CERN's Prévessin site in France. Key characteristics include:

- Mass timber structural system
- Highly-performing mechanical, electrical, plumbing (MEP) and façade system to achieve recognised sustainability accreditation.

Eligible Firm Profile: Interested firms shall have a proven experience and competence in the delivery of tertiary buildings in the role of a general contractor, including co-ordination of all trades and experience of construction in mass timber.

Contact: Pieter.mattelaer@cern.ch

Insurance brokerage services (MS-4864/FAP)

Procurement Code: 14 01 02 00 (Transport and Property Insurance)

Cost Range : 400k - 1.5M CHF

Planning: MS : Q1 2025
IT: Q2 2025
Contract start: 1 January 2026

Scope:

- Provision of insurance broking services;
- Support, advice and monitoring of CERNs insurance contract portfolio (around twenty contracts).

Duration: 5 years (+ optional 2-y extension)

Eligible Firm Profile: Interested firms shall have proven competence and experience in providing insurance broking services for large science infrastructures and international organizations

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Contact: Carmelo.Saitta@cern.ch

Socio-economic impact assessment of CERN activities

Procurement Code: 12 90 00 00 (Management and communication consultants)

Cost Range : 400 K – 1.5 M CHF

Planning: MS : Q4 2024
IT: Q4 2024
Contract start: 1 January 2025

Scope:

- Literature review, methodology and content proposal
- Socio-economic impact assessments
- Case studies
- Production of a CERN Impact Study Report

Duration: 1 year (+ optional to renew)

Eligible Firm Profile: Interested firms shall have proven experience and competence in complex multi-dimensional studies on the socio-economic impact of big science and/or fundamental research.

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Contact: Manuela.Cirilli@cern.ch

Maintenance services for high voltage (HTB) power electrical equipment at CERN (MS-4819/EN)

Procurement Code: 02010100, 13030200, 13030600 (Electrical Services)

Cost Range : 1.5 – 5 M CHF

Planning: MS : published
IT: Q4 2024
Contract start: 1 July 2025

Scope:

- Preventive and corrective maintenance for high voltage (HTB) power electrical equipment rated 400 kV and 66 kV at CERN.
- The equipment to be maintained will include power transformers, circuit breakers, switches, measurements instruments and busbar systems.

Duration: 5 years (+ optional 2-y extension)

Eligible Firm Profile: Interested firms shall have proven experience and competence in maintenance of similar high voltage (HTB) power electrical equipment rated 400 kV and 66 kV.

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Contact: Giuseppe.Cappai@cern.ch

Multidirectional Scaffolding Services at CERN (MS-4803/BE)

Procurement Code: 01020500 (Scaffolding)

Cost Range : 1.5 – 5 M CHF

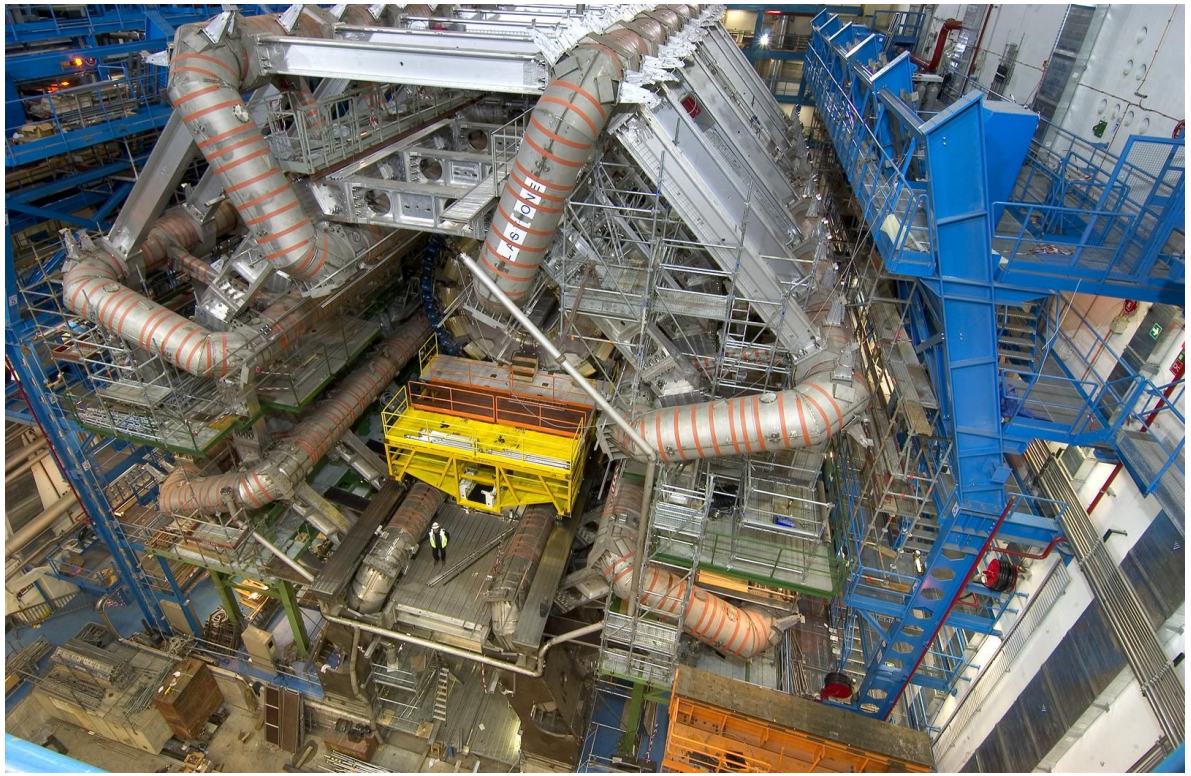
Planning: MS : closing soon
IT: Q4 2024
Contract start: 1 May 2025

Scope: Multidirectional scaffolding services, including :

- assembling
- shoring
- shrink wrap encapsulation
- modification
- rental
- dismantling
- Transport
- …

Duration: 3 years (+ 2 optional 2-y extensions)

Eligible Firm Profile: Interested firms shall have proven experience and competence in multidirectional scaffolding work.



Contact: Frederic.Chapron@cern.ch

Pollutant decontamination services at CERN (MS-4969/BE)

Procurement Code: 01020901

Cost Range : 1.5 – 5 M CHF

Planning: MS : closing soon
IT: Q4 2024
Contract start: 1 April 2025

Scope: Pollutant decontamination services both in FR and CH, including :

- Asbestos (mainly)
- Lead
- PCB
- HPA
- HBCD
- …

Duration: 3 years (+ 2 optional 2-y extensions)

Eligible Firm Profile: Interested firms shall have proven experience and competence in the field, and be SUVA accredited for the performance of the Contract

Contact: Denis.Pazem@cern.ch

Operation, Maintenance and Works for HVAC installations in CERN's tertiary buildings (MS-4989/SCE)

Procurement Code:

13 02 03 00 (Maintenance / operation of heating systems)

13 02 05 00 (CV maintenance)

Cost Range : > 10M CHF

Planning: MS closing soon / IT Oct 2024
Contract start: 1 June 2025

Scope:

- Operation, maintenance (preventive, corrective, stand-by service) and works (small and large) for HVAC installations of CERN'S tertiary buildings (e.g.: boiler rooms, district heating networks, hotels, restaurants)

Duration: 3 years (+ optional 2 x 2-y extension)

Eligible Firm Profile: Interested firms shall have proven experience and competence in operation, maintenance and works related to HVAC and sanitary installations

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Contact: Guillaume.fernand.rouge@cern.ch

Operation, Maintenance and Works for HVAC installations in CERN's industrial buildings (MS-5035/EN)

Procurement Code: 13 02 05 00 (CV maintenance)

Cost Range : > 10M CHF

Planning: MS : published
IT: October 2024
Contract start: 1 July 2025

Scope:

- Maintenance and operation of more than 2000 cooling and ventilation industrial installations of various type, age, and complexity in the accelerators complex and experimental areas at CERN
- Modification and improvement works on existing CV installations
- Spare parts management

Duration: 5 years (+ optional 2-y extension)

Eligible Firm Profile: Interested firms shall have proven experience and competence in maintenance and operation of large industrial CV systems.

Contact: Serge.Deleval@cern.ch

Maintenance of CERN's green spaces

Procurement Code: 13 01 02 00 (Green spaces)

Cost Range : 1.5M – 5M CHF

Planning: MS : Q1 2025
IT: Q2 2025
Contract start: 1 January 2026

Scope: maintenance of all the green spaces with the CERN domain, including lawn, trees, terraces and pedestrian paths, roads, and parking lots.

Duration: 3 years (+ optional 2 x 2-y extensions)

Eligible Firm Profile: Interested firms shall have proven experience and competence in maintenance of green spaces

Rare wild Orchids at CERN Meyrin
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Contact: Mathieu.fontaine@cern.ch

Electrical installation services at CERN

Procurement Code: 13 03 06 00 (Electrical installation works)

Cost Range : > 10M CHF

Planning: MS : Q4 2024
IT: Q2 2025
Contract start: 1 Jan 2026

Scope:

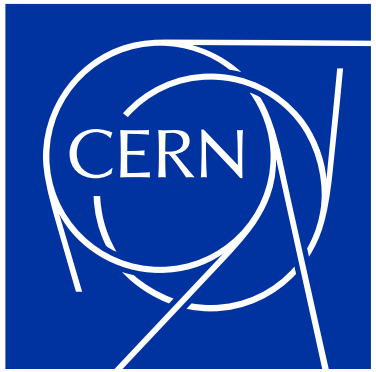
- Modifications to the electrical power distribution network
- Cabling work
- Minor electrical works
- IT cabling
- Work supervision
- ...

Duration: 5 years (+ optional 2-y extension)

Eligible Firm Profile: Interested firms shall have proven experience and competence in large electrical installation service contracts.

Contact: Jan.Devoght@cern.ch

Thank you



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