Upcoming Tenders at CERN

ILO Forum

Joshua Davison

IPT-PI

19-03-2024

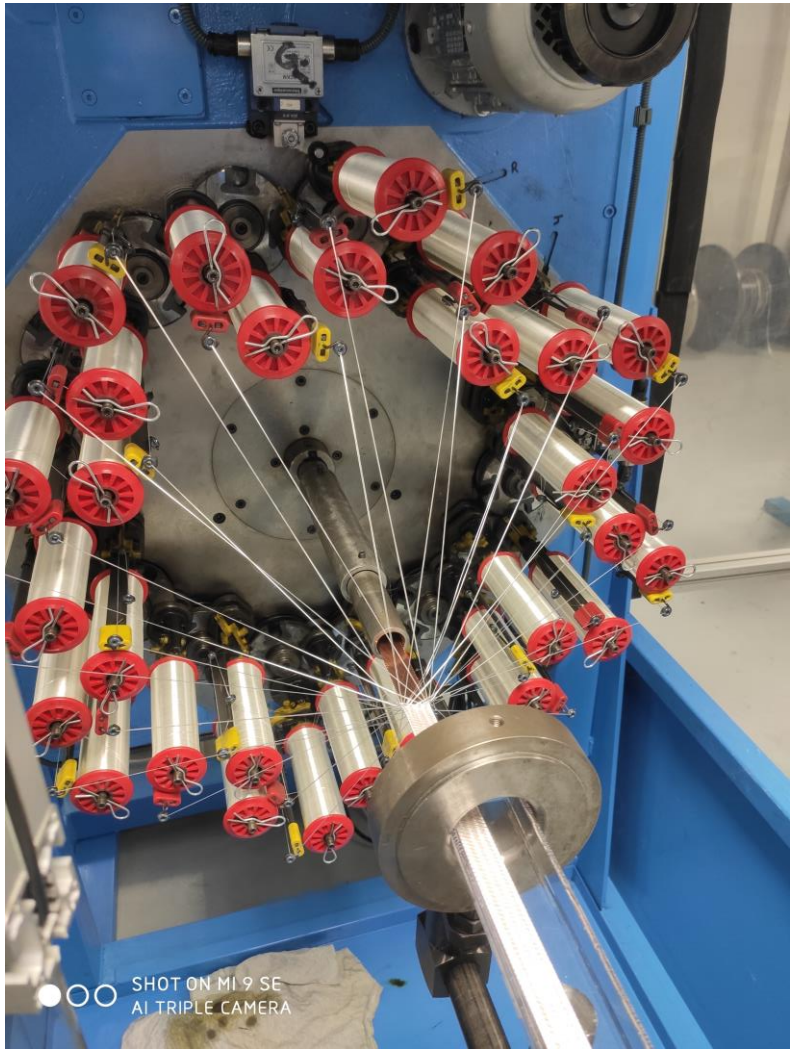
Fibre-glass braiding machine for HFM Programme

Procurement Code: 02 25 04 03

Cost Range : < 750 kCHF

Planning: MS: Q2 2024

IT: Q3 2024



Description & Specific Condition :

In the frame of R&D work, one cable insulation machine for small quantitities shall be procured, installed and commissioned.

Contact: Francois-Olivier.pincot@cern.ch

Beryllium machining

Procurement Code:
05 04 01 00

Cost Range : ≤ 750 k CHF

Planning: MS : Q1 2024
IT: Q2 2024

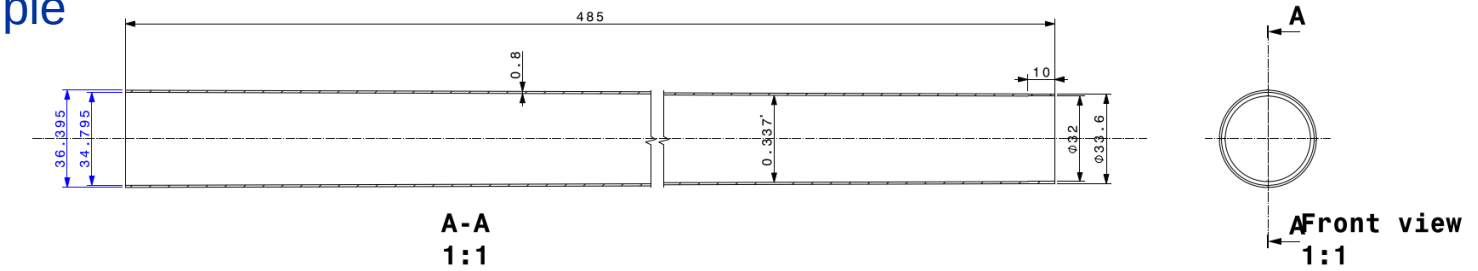
Description & Specific Condition :

Machining of **samples and conical tubes**, made of **beryllium**. *The welding of the tubes is not part of the scope*

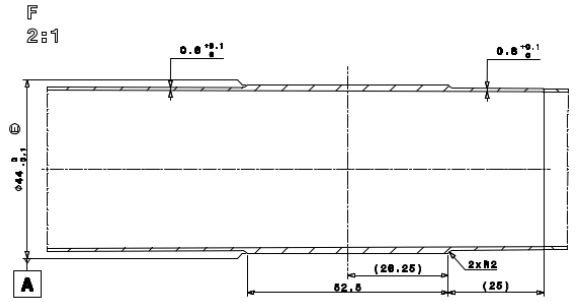
Firms shall be **experienced** in machining pure beryllium and have an **adapted CNC turning machine** for this material.

Around 15 tubes to be machined

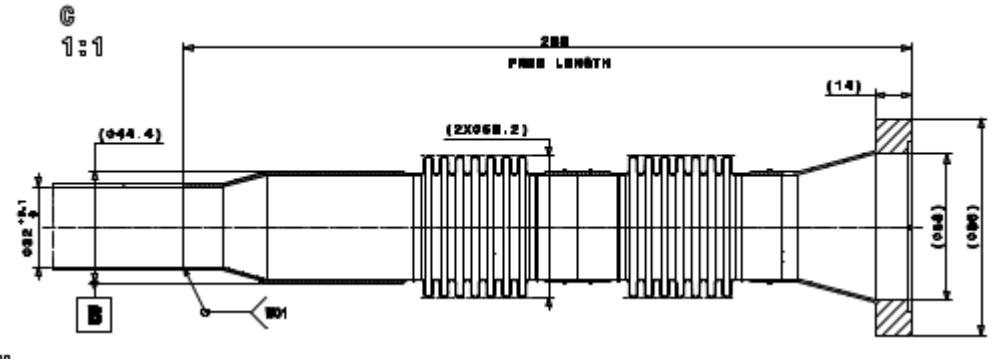
Sample



Part of tube 11



Tube 13



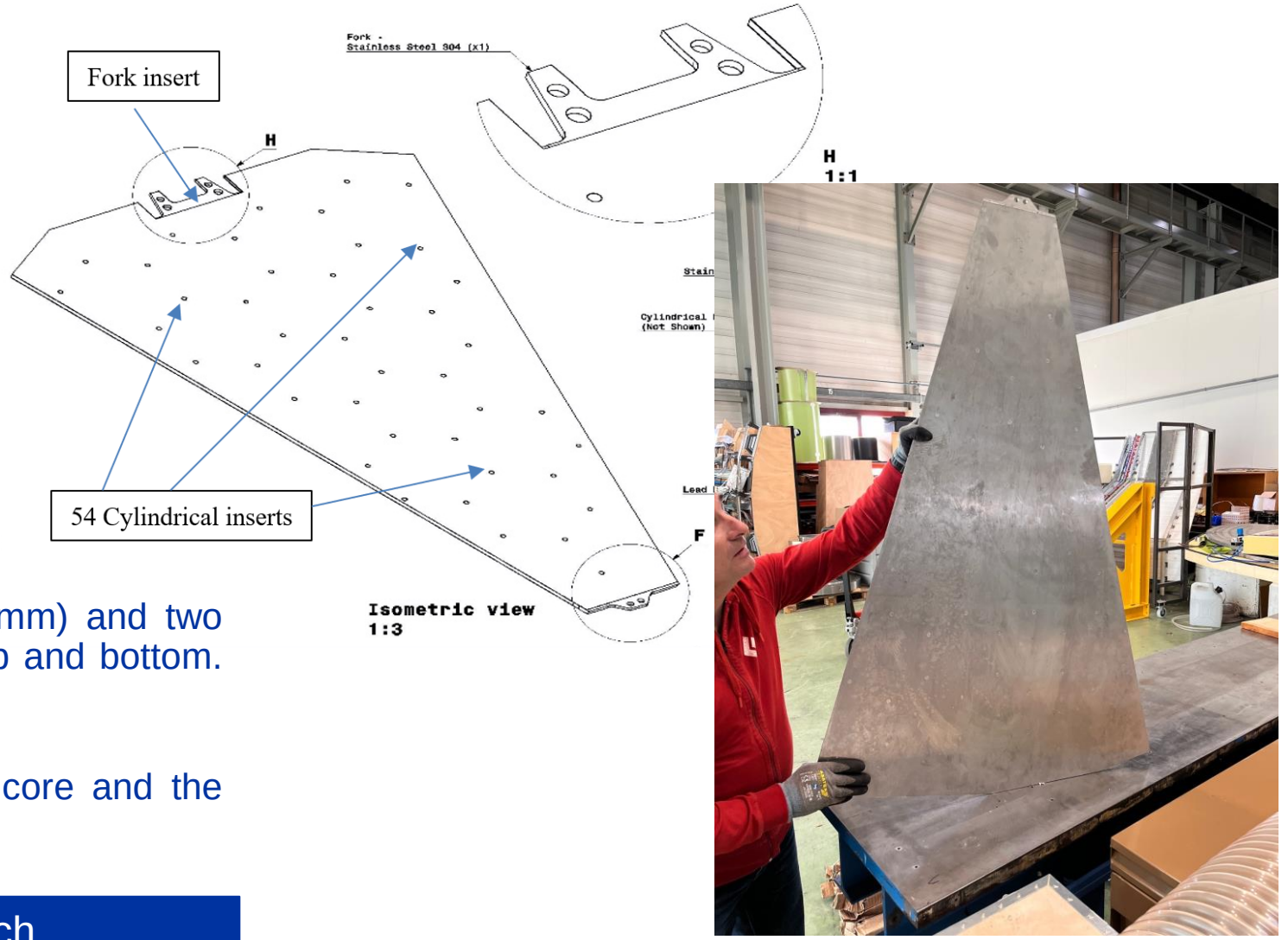
Contact: Pierre.Moyret@cern.ch

Lead sandwiches for the CMS HGCAL

Procurement Code: 05 01 04 08 (Lead)

Cost Range : ≤ 750 k CHF

Planning: MS : Q1 2024
IT: Q2 2024



Description & Specific Condition :

328 sandwiches made of **lead core** (3 to 9 mm) and two **stainless steel sheets** (0.3 mm) **glued** on top and bottom. Total weight of 60 kg.

Firms shall be able to manufacture the lead core and the gluing in-house.

Contact: Hubert.Gerwig@cern.ch

66 kV substation extension and upgrade

Description & Specific Condition :

Extension and upgrade of Two existing 66/18 kV Air Insulated Electrical Substations:

- revision of CERN's preliminary design

- mechanical and electrical detailed design for execution, calculation and technical notes, and civil engineering functional design drawings

- procurement, manufacturing, installation and commissioning of all new equipment

- energization support and maintenance

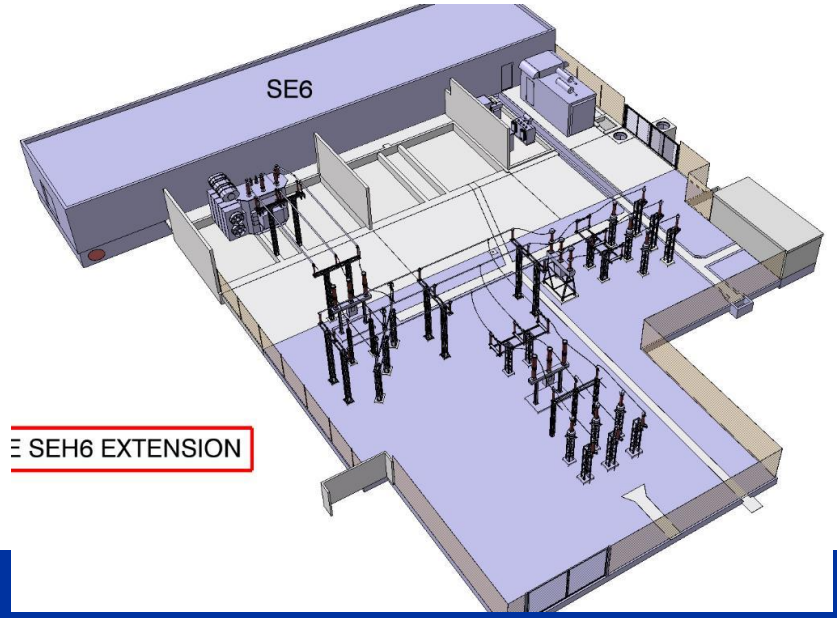
Design work during 2024-5, installation on-site in FR during 2026.

Procurement Code: 02 02 01 00

Cost Range : 750 kCHF ⇔ 5 MCHF

Planning: IT: Q2 2024

Contact: **Dimitrios.Katsanikos@cern.ch**



Three Diesel Generators

Procurement Code: 02 70 01 00

Cost Range : 750 kCHF ⇔ 5 MCHF

Planning: MS : Q2 2024 / IT: Q2 2024

Pre-engineering (done by CERN) during 2024

Design + engineering during Q1 and Q2 2025

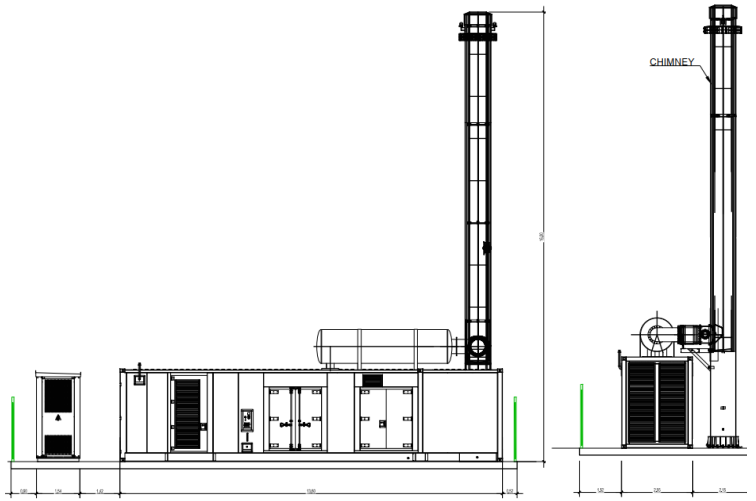
Start of commissioning Q4 2025

Working on the CERN site: France

Description & Specific Condition :

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).



Contact: Pablo.Valdes@cern.ch

Radiation-resistant LED lights

Description & Specific Condition :

2’000+ units, covering needs up to and including LS3, delivered up to end of 2025

Radiation resistant LED lights.

CERN will provide the design or do the radiation testing of lights based on a new design –> any firm in lights manufacturing can apply

Procurement Code: 02 04 02 00

Cost Range : 750 kCHF ⇔ 5 MCHF

Planning: MS: Q2 2024 IT: Q4 2024

Contact: **eva.cano.gonzalez@cern.ch**

DCCTs 600 A – Standard and Radiation resistant

Description & Specific Condition :

900 standard units and 636 radiation resistant DCCT's with 1000:1 ratio and 600 A maximum current

Framework Market Survey followed by 1 or 2 Tenders for Blanket Contracts over 5 years

Procurement Code: 02 10 09 00

Cost Range : 200 kCHF ⇔ 750 kCHF

Planning: MS: Q2 2024 IT: Q3 2024

Contact: **greg.hudson@cern.ch**

Fibre glass cable insulation

Description & Specific Condition :

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)
- Proven experience with fibre (glass) braiding
- Proven experience with braiding around large rectangular cable
- Proven experience with horizontal braiding systems

Procurement code: 02 25 04 03

Cost Range : 750 k CHF ⇔ 5 M CHF

Planning: MS: Q2-2024 - IT: Q3-2024

Contact: **Francois-Olivier.Pincot@cern.ch**

Voice Alarm and Evacuation System

Description & Specific Condition :

8 years blanket purchase contract

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: around 13 control centrals for around 1800 loudspeakers)

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.

Procurement Code: 10 07 01 03

Cost Range : 750 kCHF ⇔ 5 MCHF

Planning: MS: Q2 2024 IT: Q3 2024

Contact: **sebatien.evrard@cern.ch**

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

Description & Specific Condition :

3 years contract with extension options

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.

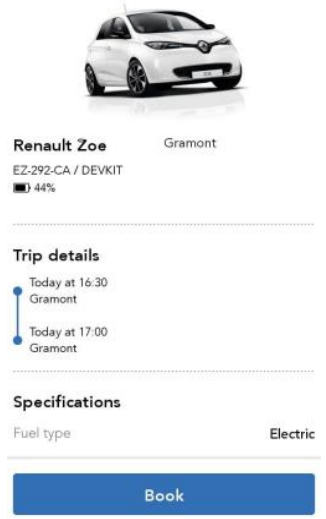
Car sharing will concern +/- 300 vehicles in 2028.

Procurement Code: 11 10 02 03

Cost Range : 750 kCHF ⇔ 5 MCHF

Planning: MS: Q2 2024 IT: Q3 2024

Contact: Stephanie.Blanchard@cern.ch



Network equipment

Description & Specific Condition :

5+ years blanket purchase contract.

Supply of the network equipment for the technical network and datacentres (routers, switches).

Scope, number and timing of procedures is still being defined, however we already seek potential providers from inside the CERN Member States.

Procurement Code: 04 07 00 00

Cost Range : 5 MCHF – 10 MCHF

Contact: **john.shade@cern.ch**

Construction of Building 777 on CERN's Prévessin site in France

Description & Specific Condition :

General contractor for the construction of a new flagship tertiary building on CERN's Prévessin site in France from Q2 2025 until Q1 2027

Design based on a mass timber design which has been developed by an international architectural team under a separate contract.

Interested firms shall have competence and experience in construction of large, energy-efficient tertiary buildings including the use of mass timber structural systems.

Procurement Codes: 01010200; 01010300; 01020200; 01020300

Cost Range : > 10M CHF

Planning: MS: Q2 2024 IT: Q3 2024

Contact: **Philippe.magnano@cern.ch**

Normal-conducting electromagnets, yokes, and coils

Description & Specific Condition :

Framework Market Survey to qualify companies able to produce 8 focusing quadrupoles (+ 8 options) and 4 defocusing quadrupoles (+4 options)

- 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

Procurement Code: 02 25 02 00

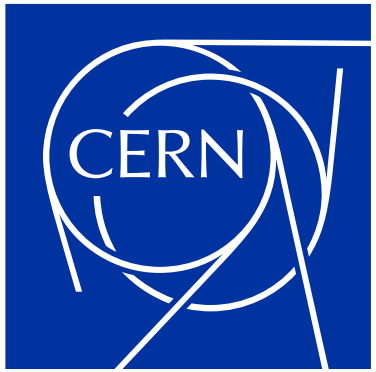
Cost Range : 750 kCHF ⇔ 5 MCHF

Planning: MS: Q2 2024

IT: Q3 2024

Contact: antony.newborough@cern.ch

Thank you



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