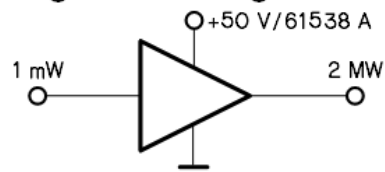


# Twelfth Continuous Wave and High Average Power RF Workshop



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CERN

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<http://cern.ch/CWRF22>

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Type: **Oral presentation 20' + 5'**

## Commissioning of 400 kW 352 MHz Amplifiers for ESS ERIC

*Wednesday, September 14, 2022 5:00 PM (25 minutes)*

Elettra has delivered 27 Radio Frequency Power Station (RFPS) - 400 kW 352 MHz Amplifiers - to the European Spallation Source ERIC (ESS ERIC) in an In-Kind (IK) collaboration frame. These RFPSs, 26 equivalent units plus 1 spare unit, will feed the Spoke cavity section of the proton Linac. The RFPS is a custom made machine. Its manufacturing has been awarded to European Science Solutions Srl as a result of the Italian Public procurement procedure tender and Elettra has been in charge to manage the contract compliance.

The RFPS design and production started with a first unit, so called pre-serie, that has been extensively optimized and tested. Then the mass production of the next units has followed.

This talk will cover the RFPS's achieved performances and the RFPS Factory Acceptance Test (FAT) main outcomes together with the remote FAT protocol that has been deployed to cope with the restrictions on travels imposed by the COVID-19 pandemic period.

**Primary author:** PASOTTI, Cristina (Elettra-Sincrotrone Trieste S.C.p.A.)

**Presenter:** PASOTTI, Cristina (Elettra-Sincrotrone Trieste S.C.p.A.)

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