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A WORLD OF DIFFERENCE

VN 20/08 METEOSAT THIRD GENERATION INSTRUMENT SYSTEM ENGINEER

EUMETSAT is developing its next generation geostationary satellite system, Meteosat Third Generation (MTG), in partnership with the European Space Agency (ESA).

The MTG space segment is composed of two types satellites, for imagery (MTG-I) and sounding (MTG-S) missions, equipped with highly innovative optical observation instruments. EUMETSAT will launch the first one MTG-S and two MTG-I satellites in the 2022-2025 period.

In the MTG Instrument Team of the Geostationary Programmes Division, the MTG Instrument System Engineer supports the analysis of the on-ground performances of the Lightning Imager (LI) of the MTG-I satellite and the Infrared Sounder (IRS) of the MTG-S satellite and the preparation and execution of their in-orbit verification.

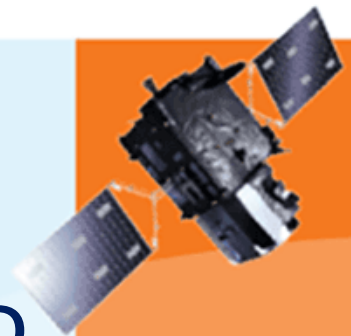
On a long-term perspective, the MTG Instrument System Engineer will participate in the preparation and in-orbit verification of recurrent MTG satellites and the definition of the instrument requirements for the Meteosat Fourth Generation (M4G) system in the mid-2020s.

DUTIES

After acquiring in-depth knowledge on the LI and IRS instrument systems during the ongoing instrument on-ground assembly and test phase, the MTG Instrument System Engineer will prepare and support the in-orbit verification and early operations phase.

Assess the results of on-ground tests at instrument and satellite

Support the LI and IRS operations preparation for commissioning and routine operations of the MTG-I1, MTG-S1 and MTG-I2 satellites; Support the in-orbit verification and validation of the LI and IRS instruments and their data processing of the MTG-I1, MTG-S1 and MTG-I2 satellites; Monitor the integration and testing of the recurrent LI and



LOCATION

Darmstadt, Germany



QUALIFICATIONS

University degree or equivalent in engineering or other related discipline.



LANGUAGES

The official languages of EUMETSAT are English and French. Candidates must be able to work effectively in English and have some knowledge of French.



DEADLINE

26 March 2020

levels and the impact of non-compliances on expected performance, data processing and operations of the LI and IRS instruments, as a member of multi-disciplinary Instrument Functional Chain Teams; Support the development of tools for the assessment of LI and IRS in-orbit operations and performances;

IRS instrument in collaboration with ESA, and assess the impacts of test results at the Pre-Storage Reviews for the MTG-I3, MTG-I4 and MTG-S2 satellites; Support the definition of instrument requirements for the M4G programme, and assess the implications of performance requirements on instrument design Support the design and development programme.

SKILLS AND EXPERIENCE

Minimum of 3 years relevant experience in satellite optical instruments design, development, testing; Experience of in-orbit verification/operations of optical Earth Observation instruments and analysis of optical instrument data would be an advantage; Ability to document instrument concepts, requirements and analysis in a complete, concise and accurate manner; Ability to assess the implications of performance requirements on instrument design and conversely the impact of instrument design choices on actual performances ; Ability to assimilate new information and provide rapid, accurate impact analyses ; Excellent interpersonal and communications skills, with a proven ability to apply these within and between teams; Experience in working in inter-disciplinary teams including scientists and engineers is highly desirable.

EMPLOYMENT CONDITIONS

The initial contract will be of 4 years' duration, with subsequent 5 year contracts being awarded thereafter, subject to individual performance and organisation requirements. There is no limit to the amount of follow-up contracts a staff member can receive up to the EUMETSAT retirement age of 63 and there are certainly opportunities to establish a long career perspective at EUMETSAT. This post is graded A2/A4 on the EUMETSAT salary scales. The minimum basic salary for this post is EURO 5,797 per month (net of internal tax) which may be negotiable on the basis of skills and experience. The salary scale provides for increments on the anniversary of taking up employment, and scales are reviewed by the EUMETSAT Council with effect from 1 January each year. In addition to basic salary, EUMETSAT offers attractive benefits. Further information, including salary details, is available on the EUMETSAT web site.

EUMETSAT is committed to providing an equal opportunities work environment for men and women. Please note that only nationals of EUMETSAT Member States may apply. The EUMETSAT Convention requires that Staff shall be recruited on the basis of their qualifications, account being taken of the international character of EUMETSAT.

ABOUT EUMETSAT

EUMETSAT is Europe's meteorological satellite agency. Its role is to establish and operate meteorological satellites to monitor the weather and climate from space - 24 hours a day, 365 days a year. This information is supplied to the National Meteorological Services of the organisation's Member and Cooperating States in Europe, as well as other users worldwide.

EUMETSAT also operates several Copernicus missions on behalf of the European Union and provide data services to the Copernicus marine and atmospheric services and their users.

As an intergovernmental European Organisation, EUMETSAT has 30 Member States (Austria, Belgium, Bulgaria, Croatia, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, The Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.)

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