HE Space is a successful international space company. For over 30 years, we have been supporting our customers with qualified experts in the field of engineering, science and administration. We are currently looking for a ACES Science Operations Engineer to support our customer in the Netherlands.

**Atomic Clock Ensemble in Space ACES Science Operations Engineer**

**Key Tasks and Responsibilities**

The ACES is a mission using high-performance clock instruments, namely PHARAO, an Cesium atomic clock provided by CNES, and SHM, an active hydrogen maser. Beside the standard subsystem (power supply, onboard computer) the ACES payload consists of the Frequency Comparison and Distribution Package, a GNSS system, the European Laser Timing Experiment (ELT) and the ACES microwave link (MWL), which will make the ACES clock signal available to ground laboratories equipped with atomic clocks.

- Supporting the Project Scientist in the definition of instrument/payload operations during the preparation of the science operational (strategic) plans;
- Providing input to the (USOC) mission operations for the mission planning of payload and instrument, based on the agreed ACES science operations activities defined by the Project Scientist; in particular:
  - Planning payload operation requests as needed during the commissioning, characterisation and routine science phases;
  - Planning instruments operations requests as needed during the commissioning, characterisation and routine science phases;
  - Involving, through the Project Scientist, the ACES IWG in any decision process whose outcome might impact the science return of the ACES mission (operations changes, corrective actions, updates of the data analysis software, etc.);
  - Acting as responsible person for the ACES science archive content and access management.
- Defining the space-to-ground clock comparisons through the MWL science link and scheduling microwave ground terminals operations;
- Monitoring the scientific performance of the ACES MWL and SHM, and space clocks comparison. Timely notifying any anomaly and coordinating eventual calibration activities and/or troubleshooting activities with the responsible Industry;
- Supporting CADMOS in monitoring the scientific performance of the network of microwave ground terminals and timely notifying in case of anomaly.

**Skills & Experience**

You will have the following qualifications and relevant experience:

- University degree (Scientific PhD or Masters degree) in Physics and/or MW /Electronics Engineering discipline.
- Many years of experience in payload development and operations is required;
- Fluency in English is mandatory; knowledge of French language is an advantage.

This job is located in Noordwijk. We welcome applicants who are available from January 2017 (or as soon as possible thereafter).

If you think you have what it takes for this job, please send us your CV together with a letter of motivation (both in English and in Word) to Ms Micheline Bélisle at jobs@hespace.com, quoting job NO-3364 before 20-Dec-16.