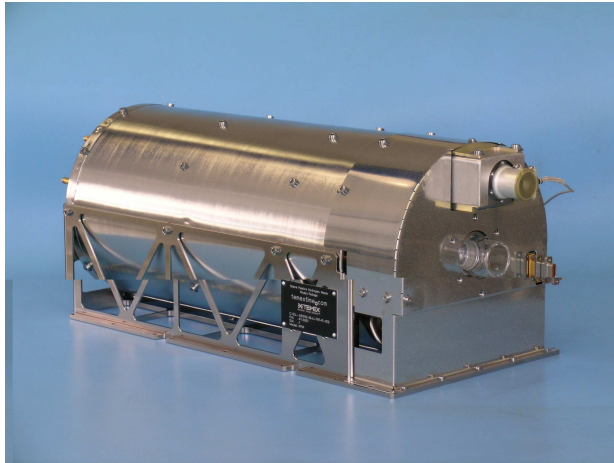


## SpectraTime awarded a 11M€ contract for Galileo master atomic clocks

**Neuchâtel, November 30<sup>th</sup> 2010** – SpectraTime, a company of the Orolia Group (NYSE Alternext Paris – FR0010501015 – ALORO), today announced it signed a 11M€ contract with Selex Galileo S.p.A to supply the core element of the Passive Hydrogen Masers for the first 14 Full Operational Capability (FOC) satellites of the Galileo global navigation satellite system. A second contract to supply the secondary atomic clocks (Rubidium Atomic Frequency Standards) should be signed in early 2011.

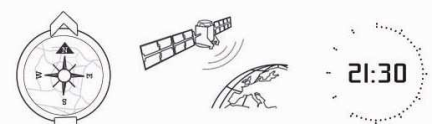
### Atomic clocks: 10 million times more stable than a quartz watch



After the successful test of SpectraTime's Rubidium and Selex / SpectraTime Passive Hydrogen Maser clocks on board GIOVE-A & GIOVE-B, validating the performance of the world's most stable atomic clock system in orbit, four Galileo satellites will be launched. With Galileo, Europe will have its own satellite navigation system, able to provide an extremely precise localization service under civil control. It will be compatible with the two other global navigation satellite systems: the American system GPS and the Russian system Glonass. Galileo will bring a precision of localization in real time of about one meter.

### SpectraTime Atomic Clocks: the heart of the system

The principle of navigation by satellite is based on the transmission to the users of signals coming from at least four satellites. To get one-meter-level positioning and navigation data, these signals must be synchronized to a billionth of a second. The extremely precise time reference provided by the atomic clocks on board each satellite is thus a central condition to make the system operate properly: *"You basically have to protect very complex mission-critical clocks from any tiny source of perturbations such as magnetic fields, shock, vibration or thermal environmental factors"* explains Fabien Droz, VP Space of SpectraTime. *"This new contract confirms our leading position in supplying state-of-the-art clock performance and technologies for the space industry"*.



## About Orolia

Orolia is a high-technology group specialized in precise Positioning, Navigation and Timing. Orolia provides high-precision electronics equipments that generate, distribute, measure and process the High-precision Time & Frequency signals that Critical Operations use to detect, trace, control, analyze or synchronize time and location-critical events. High-precision timing, positioning and synchronization solutions are vital for critical applications in growing markets such as Defense, Public Safety, and Telecom & Broadcasting in land, maritime, air or space environments. Since 2006, the Orolia group has been able to establish itself as one of the leaders in PNT solutions at a global level through five companies: Spectracom, SpectraTime, T4Science, McMurdo and Kannad. Orolia's headquarters are located in Les Ulis, (France). The company also has main offices in Neuchâtel (Switzerland), Stockholm (Sweden), Rochester (New York), Basingstoke (UK), Portsmouth (UK) and Guidel (France).

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