



ARTES Applications Workshop

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Alhabus & Alhasat Programme Alhasat Applications Initiative

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Alphasat – A successful Public-Private Partnership with Inmarsat



- ALPHASAT is the largest European built communication satellite uses the new high-power ALPHABUS platform
- It carries an advanced Inmarsat L-Band geomobile SatCom payload and four ESA Technology Demonstration Payloads
- Planned for launch January 2013 on Ariane 5



Alphasat Service Module during successful mating with the Alphasat Communications Module in Toulouse

The Alphasat ground & user segment and applications programme



- It aims at exploiting Alphasat's satellite enhanced performances, developing new value added services for mobile users:
 - Safety services
 - Low data rate services
 - High data rate services up to 800kbps
 - Advanced IP-based data services
- The programme supports the development of the Alphasat ground infrastructure, user terminals and applications in partnership with Inmarsat



The Alphasat applications initiative



- The objective of the Alphasat applications initiative is to develop and validate through pilot utilisation End-User applications deployable using Inmarsat IV and Alphasat satellites, with
 - Involvement of end users
 - Pilot trials representing the end user environment
- Strong interest in the development of wide-reaching applications addressing institutional and public users, humanitarian purposes or safety of life



Alphasat Applications 2nd Call For Proposals



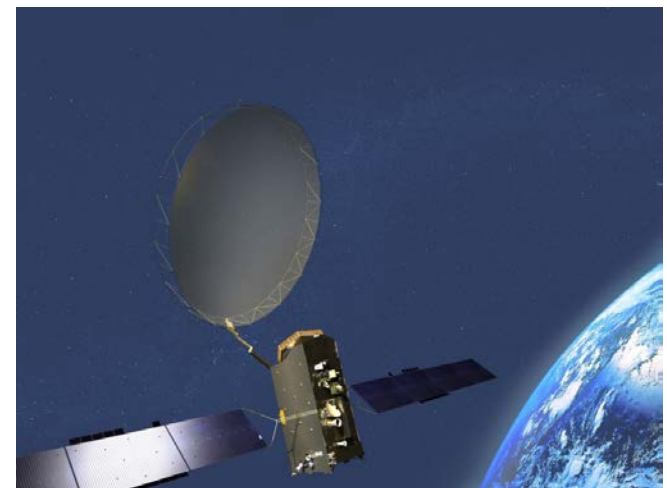
- Open competitive Call For Proposals launched 23rd March with closing date 11th May
 - EMITS address: <http://emits.esa.int> (ref: **AO7101**)
- Proposed applications shall be relevant for deployment using the Alphasat satellite or Inmarsat 4 satellites
- Max. individual project cost = 1 MEURO, with up to 50% funded by ESA
- Project duration 12 to 18 months
- Available to Industry located in ESA countries
- Potential bidders include Application developers or Integrators who will engage with Service Providers, Distributors and End Users



Inmarsat providing support to selected bidders of the 2nd Alphasat Applications ITT



- ESA and Inmarsat updated MoU in place since April 2011
- Inmarsat supports the selected bidders covering
 - Access to test-bed facilities and test-tools
 - Engineering resources
 - Air-time access for testing purposes
 - Air-Time Access needed during the pilot trial will be subject of commercial terms
- Companies may opt out from providing Inmarsat visibility on their proposals
- Selected bidders may also opt out from providing Inmarsat visibility of their work





For further information

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Thank you for your attention