



CARBONITE-2 : FUTURE HORIZONS FOR EARTH OBSERVATION AND DATA ANALYTICS

22 MAY 2018 | DEFENCE SPACE CONFERENCE



Watch the video: <https://youtu.be/OBxJSroyTcl>

Shaping the future of Earth observation and data analytics.
Transformation of data creation and interpretation, creating agile solutions.

- ▶ Small, low-cost satellites
- ▶ Fit-for-purpose
- ▶ Operationally responsive
- ▶ Large constellations
- ▶ Regular monitoring of target AOI
- ▶ Harnessing innovation (technology & data analytics)
- ▶ Partnerships with industry



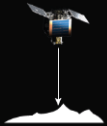
Monitoring traffic patterns,
vectors and speeds.
Identifying container
movements in port.



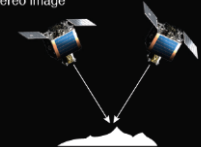
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Multiple imaging modes create rich data to power analytics

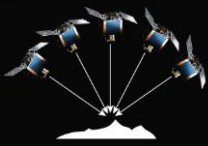
Single Image



Stereo Image



Multi-look



Video



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MITIGATING CLOUD COVER WITH MULTIPLE SCENES



Image stacking from high frame rate video provides unique insight



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High frequency revisit is
compromised without rapid
tasking and data delivery to
the customer



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The application of machine learning and AI to the large quantities of data created is the ultimate game-changer



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- Secure data and intelligence from state-of-the-art satellite constellations that provide rapid revisit and new insights
- Access surge capacity from commercial systems
- Access innovative solutions from a range of commercial sources including bright, innovative and agile SMEs
- Data collection and processing methods being implemented for civilian and commercial customers



THANK YOU

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