SPACE COMMUNICATIONS AND NAVIGATION SYMPOSIUM (B2)
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Author: Dr. David Haley
Myriota, Australia

Mr. Andrew Beck
Myriota, Australia
Dr. André Pollok
Myriota, Australia
Dr. Alex Grant
Myriota, Australia
Dr. Robby McKilliam
Myriota, Australia

GLOBAL REACH FOR THE INTERNET OF THINGS

Abstract

Applications delivered by the internet of things have the potential to increase operational efficiency, reliability and safety. However, a challenge exists to deliver connectivity to industries with remote operations at a cost, battery life and form factor that is able to close the business case for deployment. This is especially true in cases where the system must scale to support large numbers of devices. Typical applications include sensor telemetry, low-value asset tracking, and device monitoring and control.

Myriota provides global reach for the internet of things by securely delivering high-value small-data direct to a constellation of low earth orbit satellites. This paper provides an overview of the Myriota communications architecture, and the process taken to transfer Myriota foundation technology into a highly scalable commercial product and service. Results of recent customer facing field trials are also presented.