

Strategic Applications for Next-Generation

MILITARY AND SPACE BATTERIES

January 11th 2013 – MAE Auditorium 0900

With Guest Lecturer Kris Johannesssen, USAF Lt Col (ret).

Director of Business Development
Yardney Technical Products, Incorporated

This lecture will provide a unique perspective on the criticality of batteries in today's DOD weapon systems and how the long term availability and reliability of the manufacturing resources are being impacted by the commercial marketplace.

Topics will include:

- Overview of successful aerospace battery applications in air and space
- Sourcing considerations when developing battery requirements
- Insight into future performance improvements and technology enhancements

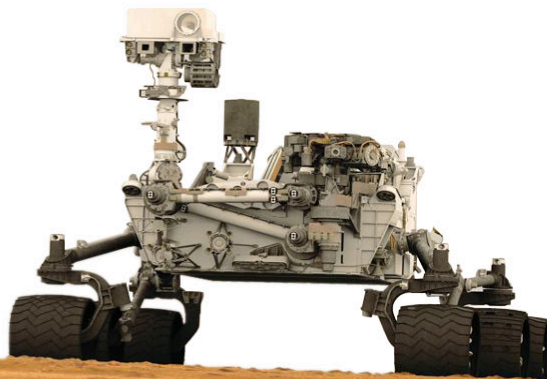
Yardney Technical Products, Inc. (Yardney) has been involved with the development and manufacture of advanced high energy density batteries for aerospace and underwater applications since the 1940s, including the Mars Rovers, ASDS, and similar systems.

The speaker, Kris Johannesssen joined Yardney after a 20 year career in the United States Air Force. He has led multi-million dollar modernization programs for an array of USAF Missile and Space Weapon Systems, including the X-37 Military Space Plane at the National Aeronautics and Space Administration (NASA) Marshall Space Flight Center.

WWW.NPS.EDU/ENERGY



X-37 Military
Space Plane



Mars Rover - Curiosity

Aerospace
Battery Array



NAVAL
POSTGRADUATE
SCHOOL