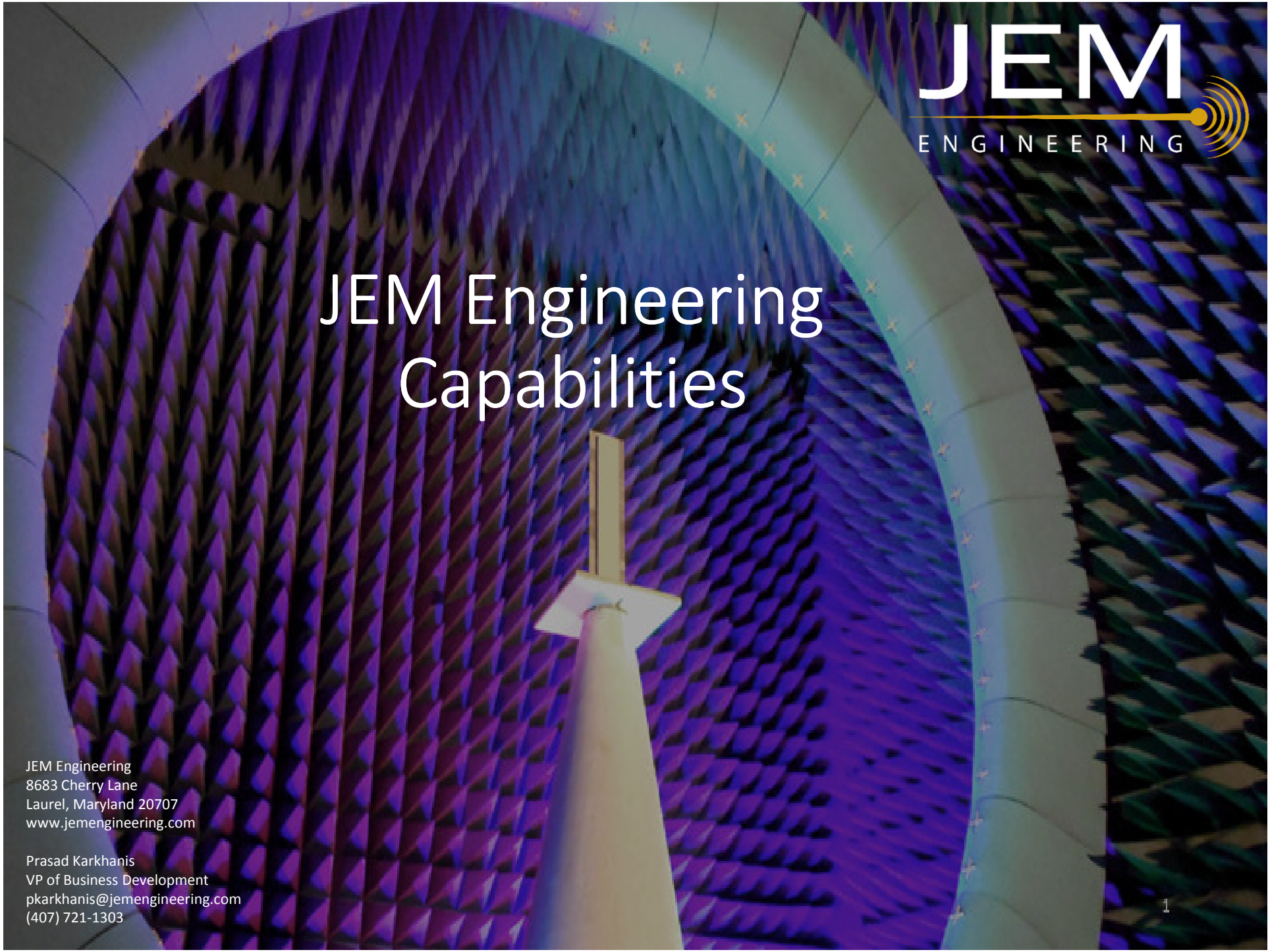


JEM Engineering Capabilities

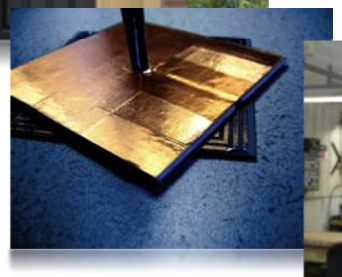
JEM Engineering
8683 Cherry Lane
Laurel, Maryland 20707
www.jemengineering.com

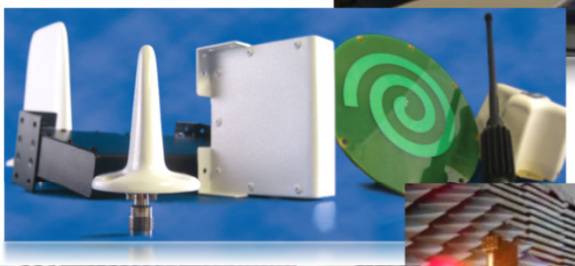
Prasad Karkhanis
VP of Business Development
pkarkhanis@jemengineering.com
(407) 721-1303

Overview of JEM

- Company Information
  - Founded in 2002 with focus on innovative antenna technology
  - 12,500 sq ft facility, ~25 employees
  - MBE, DBE, WOSB, EDWOSB, SDB, & JCP Certified
- Custom Antenna Development
  - Integrated electrical and mechanical design
  - State-of-the art simulation, proprietary optimization and design codes
  - Rapid prototyping & validation in-house
- Novel Antenna Products
  - Complete quality system and configuration control
  - Shipped >13,000 antennas in 2016
  - ISO 9001 certified, AS9100 compliant
- Rapid RF Testing
  - Complete tests in minutes instead of days
  - Frequency ranges from 50 MHz to 40 GHz
  - Multiple test chambers to fit your needs

Tibbett's Award Winner for **excellence in technological innovation.**

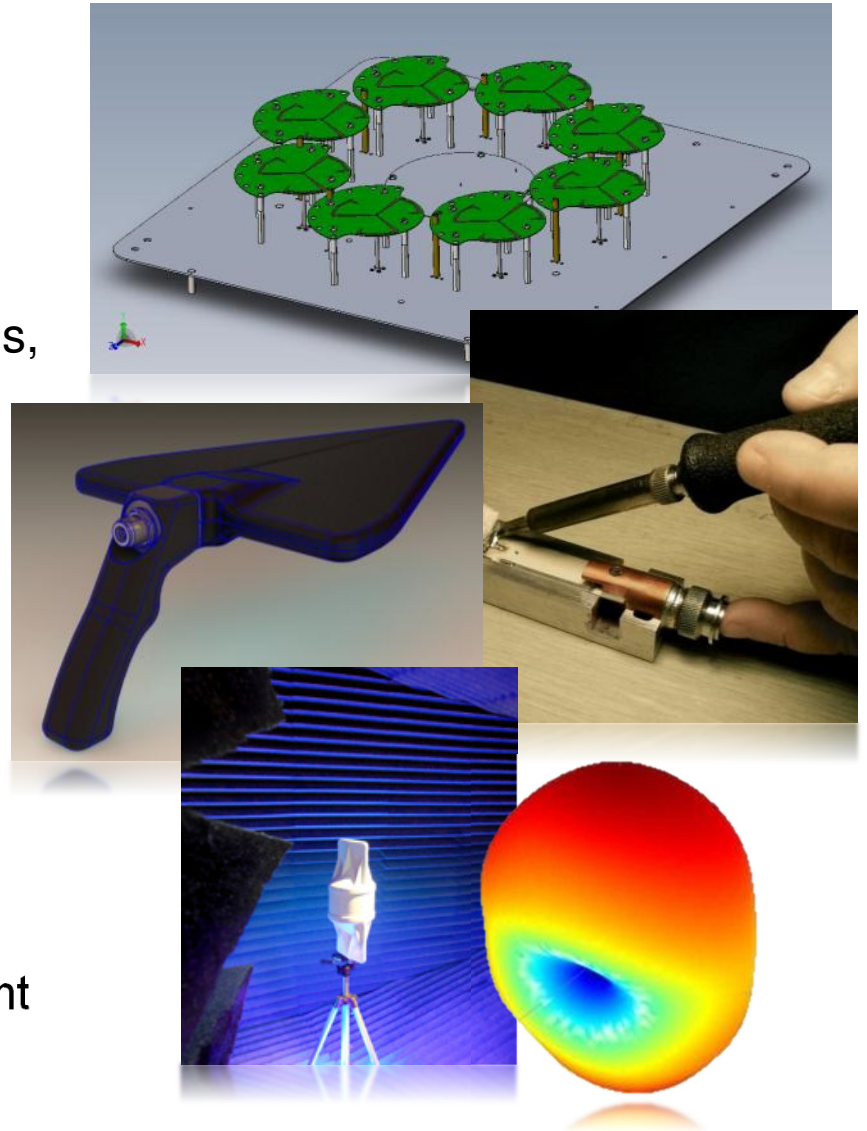




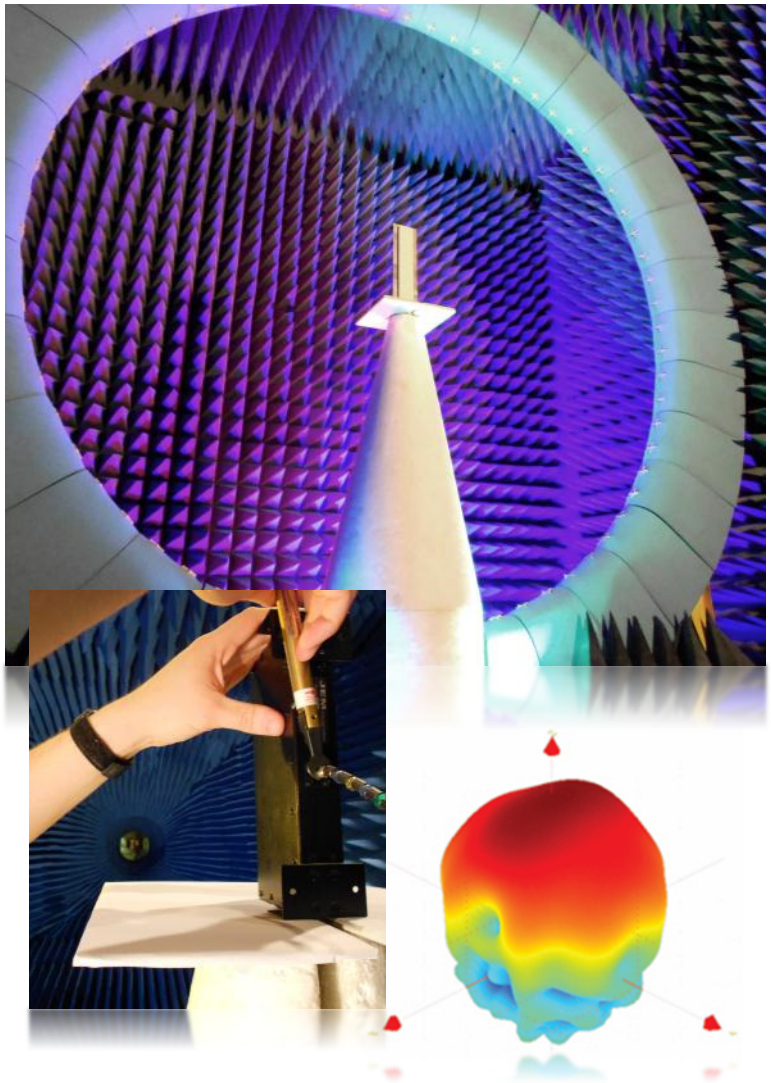
We Develop Custom Antennas Based on Customer Needs

JEM ENGINEERING

- Rapid design and customization, in weeks instead of months!
- State-of-the art simulation, proprietary optimization and design codes
- Tools include CST, HFSS, Genetic Algorithms, and MatLab
- Integrated Mechanical Modeling & Design
  - SolidWorks CADD software & simulation
  - AS9100 Compliant Configuration Control
  - ISO 9001 Certified design and production
- In-house rapid prototyping and validation
  - Enables us to iterate, make design changes, and quickly optimize solutions.
- Many satisfied customers, including long relationships with DoD and other Government agencies



Rapid RF Testing Services



Key Features & Benefits

- JEM's spherical RF test chamber is the fastest facility available for full 4 pi steradian data collection!
- Frequency ranges from 50 MHz to 40 GHz, covering standards such as Bluetooth™, WiFi, WiMAX, GPS, cellular, and more
- Capabilities including:
  - Radiation patterns
  - Antenna gain and efficiency
  - Axial ratio
  - Human body interaction effects
- Multiple test chambers for internal and external testing
- Variety of data format options, including:
  - 2D and 3D Radiation patterns
  - Swept gain and efficiency
  - ASCII data
- Competitive pricing