New China Facility, Shenzhen

- New “Greenfield” facility = 230K ft$^2$
- Grand Opening - January 15 2009
- All product lines in a single building, with sales, sourcing, and administration
- Engineering groups located with production
- Facility holds numerous Quality Certifications
Introduction

Product and Application Overview

Military/Aerospace/Hydroacoustic
Aircraft applications

- D Pressure
  - Cabin air

- Humidity
  - Cabin
  - Cargo

- LVDT
  - Thrust reverser

- Temp RTD
  - Fuel temp
  - Anti-icing

- Cockpit controls
  - See slide 4

- Thermistor
  - Cabin temp

- Engine controls
  - See slide 7

- Heated Thermistor
  - Fuel management

- Force
  - Horizontal Stabilizer load

- LVDT
  - Flight ctrl actuator
  - Nosewheel steering
Aircraft flight controls

- Hydraulic valve position LVDT
- Hydraulic reservoir level LVDT
- Actuator position
- Surface position
Aircraft cockpit control applications

- LVDT/RVDT
  - Rudder pedals
  - Spoiler lever
  - Flap lever
  - Yoke/stick

- Force transducer
  - Rudder pedals
  - Yoke (pitch/roll)
Helicopter applications

- **LVDT**
  - Flight control actuators

- **LVDT/RVDT**
  - Cockpit controls

- **Pressure**
  - Torque converter hydraulic P
  - Hydraulic pressure monitoring

- **Vibration**
  - HUMS (Health & Usage Monitoring System)
  - Gearbox / transmission

- **LVDT**
  - Targeting system, lens focusing

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Jet engine and APU applications

- Temp RTD
  - Oil temp
  - Fuel temp
  - Bleed air temp.

- Thermocouple
  - EGR Exhaust Gas Temp

- Pressure
  - Turbine & compressor discharge
  - Fuel Pressure
  - DP Air surge control

- LVDT
  - IGV Inlet Guide Vane
  - VBV Variable Bleed Valve
Military ground vehicle applications

- Pressure
  - Engine oil
  - Engine fuel
  - Canon hydraulics
  - Hydraulic suspension/actuators

- LVDT
  - Turret hydraulic valve

- RVDT
  - Transmission
Nuclear submarine applications

- Propulsion system
- Hatch actuator
- Periscope position

Pressure
- Energy conversion system
- Torpedo launch pressure
- Torpedo depth
- Air compressor

LVDT
- Propulsion system
- Hatch actuator
- Periscope position
Launch Syst. & ballistic missiles

- Vibration
  - Payload

- LVDT
  - Thrust vectoring