Applications

Engine / APUs
- APU Isolators
- APU support tube isolation
- Main engine isolation
- Engine electrical isolation
- APU access doors
- Flight critical products

Ground Support Equipment
- Drop-down stowage bins
- Door opening stowage bins
- Life raft stowage bins
- Stowage boxes
- Stowage bin support/noise attenuation
- Pivot Bins
- Stowage bin visors

Escape Door Actuation
- Faucet time delay
- Toilet seat and lid damper
- Garbage waste flaps
- Galley chiller supports
- Passenger seat recline
- Seat leg rest extensions
- Flight attendant seats
- Executive aircraft seats
- Crew seat arms
- Helicopter passenger seats
- Seat arm video monitor deploy

Certifications
- AS9100 Approved
- ISO 9001
- PMA Part Approvals
- Numerous seat lock products are 16 g tested and approved

Vibration and Dynamic Testing
- Full in-house testing capabilities
- Drop System - up to 2,000 lbs and 600 in./sec. in travel
- Vibration - Electromechanical shakers with digital controllers
- Dynamic testing - up to 500,000 lbs at 80 in./sec.

Global Presence
ITT is a diversified leading manufacturer of highly engineered critical components and customized technology solutions for growing industrial markets in energy infrastructure, electronics, aerospace and transportation. Building on its heritage of innovation, ITT partners with its customers to deliver enduring solutions to the key industries that underpin our modern way of life.

Founded in 1920, ITT is headquartered in White Plains, NY, with employees in more than fifteen countries and sales in more than 125 countries. The company generated pro forma 2010 revenues of approximately $2 billion. For more information, visit www.itt.com.
Engineering Design Systems
• Research and Development
• 3-D Modeling Software
• FEA Analysis Capability
• System Modeling
• Integrated PDM System
Vibration and Dynamic Testing
• Full in-house testing capabilities
• Drop Testing - up to 4,000 lbs. and 600 in./sec.
• Vibration - Electromechanical shakers with digital controllers
• Dynamic testing - up to 500,000 lbs. at 80 in./sec.
Certifications
• AS9100 Approved
• ISO 9001
• PMA Part Approvals
• Numerous seat lock products are 16-g tested and approved

Applications

Engine/APUs
• APU Isolators
• APU support tube isolation
• Main engine isolation
• Engine electrical isolation
• APU access doors

Interior Panels
• sidewall/ceiling/floor panel isolation
• electronics isolation

Ground Support Equipment
• Drop-down stowage bins
• Door opening stowage bins
• Life raft stowage bins
• Stowage boxes
• Stowage bin support/noise attenuation
• Pivot Bins
• Stowage bin visors

Escape Door Actuation
• Faucet time delay
• Toilet seat and lid damper
• Garbage Waste Flaps
• Galley Chiller Supports

Fire/Safety
• Aircraft fire detection
• Smoke detection systems
• Fire extinguishing systems

Door Latch Actuation
• Rescue door actuation

Galley/Lavatories
• Escape door actuation
• Avionics shock isolation
• Cargo/Passenger door deployment
• Access panel doors

Ground Support Equipment
• Sidewall/ceiling/floor panel isolation
• Interior noise isolation
• Electronics isolation

ITT is a diversified leading manufacturer of highly engineered critical components and customized technology solutions for growing industrial markets in energy infrastructure, electronics, aerospace and transportation. Building on its heritage of innovation, ITT partners with its customers to deliver enduring solutions for the key industries that underpin our modern way of life.

ITT Enidine Inc.
We have what the world of aviation demands, and what passengers deserve.
Applications

Engine Design Systems
- Life cycle analysis
- Engine design optimization
- Life cycle management tools

FEA Analysis Capability
- Finite element analysis
- Life cycle analysis

System Modeling
- Life cycle analysis
- Complex aerospace models

Integrated PDM System
- Design data management
- Virtual prototyping

Vibration and Dynamic Testing
- Full in-house testing capabilities
- Drop testing - up to 4,000 lbs. and 600 in./sec.
- Vibration - Electromechanical shakers with digital controllers
- Dynamic testing - up to 500,000 lbs. at 80 in./sec.

Certifications
- AS9100 Approved
- ISO 9001
- PMA Part Approvals
- Numerous seat lock products are 16-g tested and approved

Stowage Bins
- APU Isolators
- APU support tube isolation
- Main engine isolation
- Engine electrical isolation
- APU access doors actuation
- Flight critical products
- Drop-down stowage bin motion control
- Stowage bin door opening actuators
- Life raft stowage bin motion control
- Stowage boxes
- Stowage bin support/noise attenuation
- Pivot Bin motion control

Doors/Others
- Escape door actuation
- Avionics shock isolation
- Cargo / Passenger door deployment
- Access panel doors actuation
- Cargo handling energy absorption
- Door latch actuation
- Tow bars
- Ground support fuel tank shock and vibration isolation
- Suspension shocks
- Engine stands shock and vibration isolation

Galley/Lav.
- Faucet time delay
- Toilet seat and lid damper
- Garbage waste flaps
- Galley chiller supports

Seats
- Passenger seat recline
- Seat leg rest extensions
- Flight attendant seats
- Executive aircraft seat recline
- Crew seat arms deploy
- Helicopter passenger seat recline
- Seat arm video monitor deploy

For International Locations, please visit: www.enidine-aviation.com/Global_Locations.html

ITT is a diversified leading manufacturer of highly engineered critical components and customized technology solutions for growing industrial end-markets in energy infrastructure, electronics, aerospace and transportation. Building on its heritage of innovation, ITT partners with its customers to deliver enduring solutions to the key industries that underpin our modern way of life.

Founded in 1920, ITT is headquartered in White Plains, NY with employees in more than 150 countries and sales in more than 125 countries. The company generated pro forma 2010 revenues of approximately $2 billion. For more information, visit www.itt.com.

ITT Enidine Inc.
7 Centre Drive
Orchard Park, NY 14127, USA
Phone: 716-662-1900
Fax: 716-667-1385
Email: aviationsales@enidine.com
www.enidine.com

Aerospace Controls
28150 Industry Dr
Valencia, CA 91355
Phone: 661-295-4000
Fax: 661-294-1750
Email: aviationsales@enidine.com
www.enidine.com
**Stowage Bins**
- Structure/Shape
  - Noise Abatement:
    - Statically supports equipment
    - Inhibits vibration and noise
  - Transmission into cabin interior

**Seats**
- Passenger Seat:
  - Bedside controls
  - Easy, smooth passenger seat extend
  - Long, immersion-life expectancy
  - Iso-certified hardwared
  - Leg rest deployment
  - Seat back rigid extension
  - Iso-certified hardwared

**Doors - Fan Cowl, Passenger and Cargo**
- APU Isolator
  - Statically supports high temperature
  - Isolates power unit vibration to airframe
  - Main engine isolation
  - Isolates engine's sensitive electronic equipment

**Auxiliary Power Unit and Main Engines**
- Access Door Control:
  - Actuate door opening
  - Utilizes force on present and hand holding

**Waste Flap Control**
- Automatic, controlled: flap return
- Actuator, controlled: flap lowering

**Floor Equipment**
- Engine Isolation Mounts
  - Statically supports high temperature
  - Solves power unit vibration at fanframe
  - Solutes engine isolation
  - Solutes sensitivity on sensitive electronic equipment

**Lavatory**
- Faucet Time Delay
  - Controls water flow time
  - Minimizes water waste

**Engine Cowling Strut**
- Controls cowling closing rate - resists wind gusts
- Enhances safety of engine maintenance personnel

**Waste Flap Control**
- Automatic, controlled: flap return
- Actuator, controlled: flap lowering

**Toilet Seat/Cover Closing**
- Smooth seat/cover closing motion
  - Eliminates free-fall noise

**Door Opening Stowage Bin**
- Automatic, smooth door flip
  - Door holds in full open position for easy passenger access

**Right Attendant Seat Positioning**
- Seat folds up automatically
  - Allows aircraft seat for emergency egress

**Stowage Bin Motion Control**
- Smooth, controlled actuating
  - Lock position, open position
  - Lock position, open position
  - Automatic: flap opening velocity

**Exterior Structural Borne Noise Abatement**
- Actuates door opening
  - Extending force prevents wind load flapping
Applications

• APU Isolators
• APU support tube isolation
• Main engine isolation
• Engine electrical isolation
• APU access doors
• Flight critical products

Ground Support Equipment

• Drop-down stowage bins
• Door opening stowage bins
• Life raft stowage bins
• Stowage boxes
• Stowage bin support/noise attenuation
• Pivot Stowage Bins

• Drop bars
• Door latches
• Baggage handling systems
• Stowage bin visors

Galley/Lavatories

• Faucet time delay
• Toilet seat and lid damper
• Garbage waste flaps
• Galley chiller supports

• Passenger seat recline
• Seat leg rest extensions
• Flight attendant seats
• Executive aircraft seats
• Crew seat arms
• Helicopter passenger seats
• Seat arm video monitor deploy

Interior Panels

• Sidewall / ceiling / floor panel isolation
• Interior noise isolation
• Electronics isolation

Solutions in Motion Control and Vibration Isolation

• Engine / pressures
• APU support system
• In-flight emergency lighting
• Flight control systems
• Flight critical products

Vibration and Dynamic Testing

• Drop System - up to 2,000 lbs. and 600 in./sec.
• Shaker - Brushless hydraulic shakers with digital controllers
• Dynamic testing - up to 500,000 lbs. at 80 in./sec.

Certifications

• AS9100 Approved
• ISO 9001
• PMA Part Approvals
• Numerous seat lock products are 16 g tested and approved

ITT Enidine Inc.
7 Centre Drive
Orchard Park, NY 14127, USA
Phone: 716-662-1900
Fax: 716-667-1385
Email: aviationsales@enidine.com
www.enidine.com

ITT Aerospace Controls
28150 Industry Dr
Valencia, CA 91355
Phone: 661-295-4000
Fax: 661-294-1750
Email: aviationsales@enidine.com
www.enidine.com

For International Locations please visit: www.enidine-aviation.com/Global_Locations.html

Global Presence

ITT is a diversified leading manufacturer of highly engineered critical components and customized technology solutions for growing industrial and markets in energy infrastructure, electronics, transportation and aerospace. Building on its heritage of innovation, ITT partners with its customers to deliver enduring solutions for the key industries that underpin our modern way of life.

Founded in 1920, ITT is headquartered in White Plains, NY with employees in more than 50 countries and sales in more than 125 countries. The company generated pro forma 2010 revenues of approximately $2 billion. For more information, visit www.itt.com.