MHI Commercial Aviation Systems supplies major components of commercial airplanes, including the wings and fuselages to the world’s leading aircraft manufacturers – Boeing, Bombardier, and Airbus. As an international joint development and manufacturing partner, we are proud to offer world-class scope of operations and technological capabilities. In the aftermarket business, MHIRJ, one of the largest maintenance, repair, and overhaul (MRO) service provider for regional jets in the United States, serves as the backbone of airline fleet operations. Going forward, MHI Commercial Aviation Systems will continue to improve its productivity through integrated manufacturing, from component manufacturing to structural assembly, as well as refine reliable technologies and expand our aftermarket business, to deliver comfortable air travel to people around the world.
Major Products

### Boeing Commercial Airplanes

#### 787
- Composite Wings

#### 777/777X
- Aft Fuselage, Tail Fuselage, Passenger Entry Doors and Bulk Cargo Door

#### 767
- Aft Fuselage, Tail Fuselage, Cargo Door

#### 737
- Inboard Flaps

### Bombardier Business Jets

#### Global 5000/6000 Series (GX)
- Wings, Center Fuselage and Center Wing

#### Challenger 300/3500(CL)
- Wings

### Airbus Commercial Airplanes

#### A321
- Overwing Doors
Engineering Capabilities

- **Design of Whole Aircraft**
  Various analytical techniques such as CFD and FEM

- **Design of Large Composite Structures**
  Design of large composite structures and development simulation

- **Type Certification Support**
  Providing know-how as an OEM manufacturer

- **Service Centers**
  Aircraft maintenance, repair and overhaul (MRO)

- **Material Solutions**
  Spares, rotables, component repair and overhaul (CR&O)

- **Service Solutions**
  In-service support and technical services

Manufacturing Capabilities

- **Equipment for manufacturing large carbon fiber composite parts**
  Autoclave
  Heating and pressurizing device to cure resin of carbon fiber composite material

- **Automatic Assembly Robot Line**
  MPAL: Multi Panel Assembly Line
  Automatic drilling and riveting device

- **Robotics**
  Automation of confined space work

- **Unmanned Aerial Vehicle (UAV)**
  Middle Size: Payload up to 200kg

New Approaches

- **Equipment for manufacturing large carbon fiber composite parts**
  Autoclave
  Heating and pressurizing device to cure resin of carbon fiber composite material

- **Automatic Assembly Robot Line**
  MPAL: Multi Panel Assembly Line
  Automatic drilling and riveting device

- **Robotics**
  Automation of confined space work

- **Unmanned Aerial Vehicle (UAV)**
  Middle Size: Payload up to 200kg

- **Unmanned Aerial Vehicle (UAV)**
  Small Size: Range up to 2 hours flight (optional battery type available)