

# Aerospace Business Operation

June 9, 2010

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 **MITSUBISHI HEAVY INDUSTRIES, LTD.**

1. Major Aerospace Business Areas
2. Sales and Income during 2010  
Business Plan Period
3. Major Aerospace Business  
Environment
4. Commercial Aircraft (Boeing 787)
5. Commercial Aircraft (MRJ)
6. Space
7. Defense

# 1. Major Aerospace Business Areas

## Defense

- Fighters, Helicopters
- Missiles, Torpedoes

## Commercial

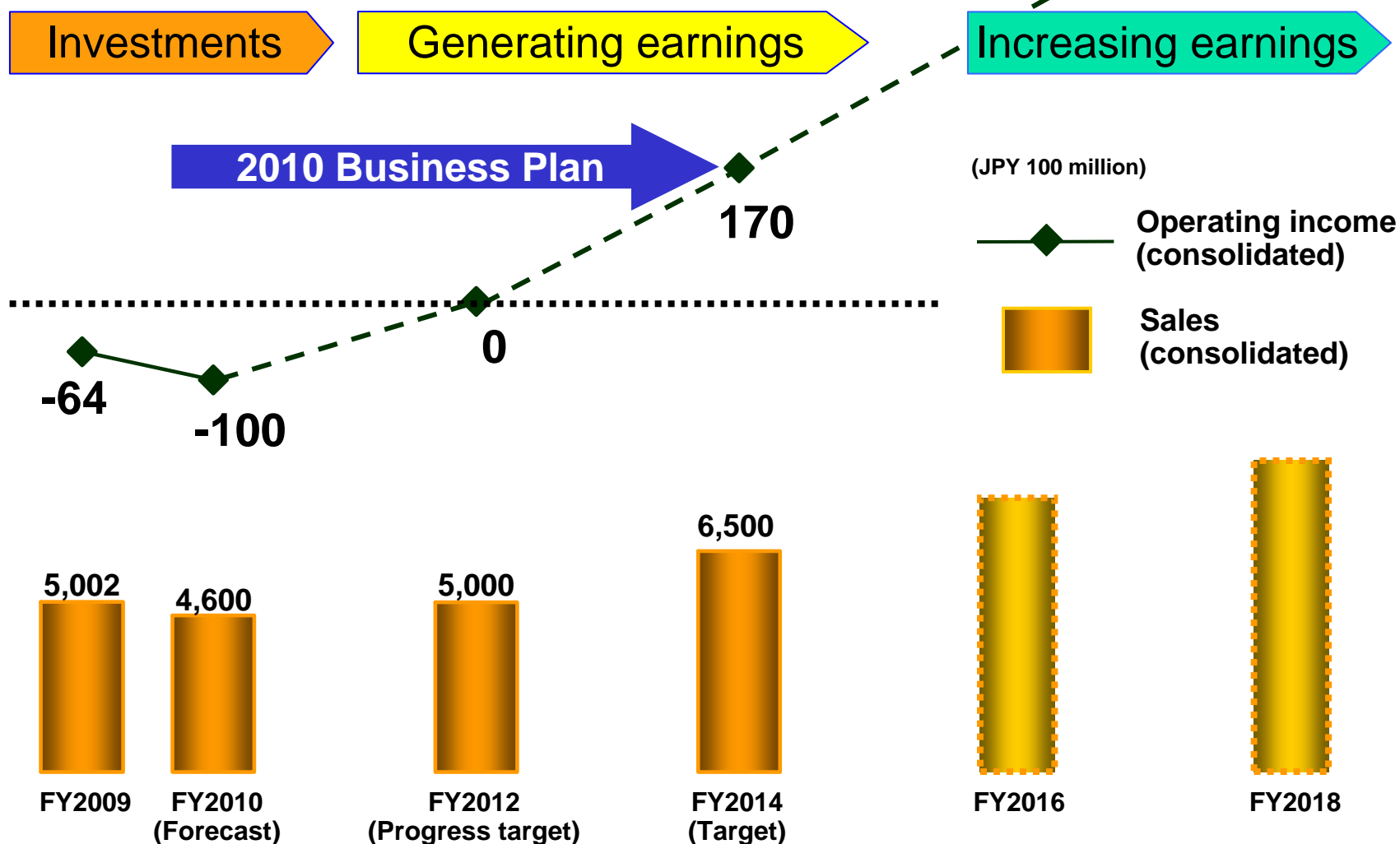
- 777, 787
- MRJ

## Space

- H-IIA
- HTV/H-IIB

## 2. Sales and Income during 2010 Business Plan Period

- 787; generate earnings following past investments
- MRJ; Entry Into Service in 2014
- Cost reduction activities to improve near-term profitability



# 3. Major Aerospace Business Environment

## Commercial

- Market is heading toward recovery
- Strategic investments in 787 and MRJ
- ➔ Mainstay businesses

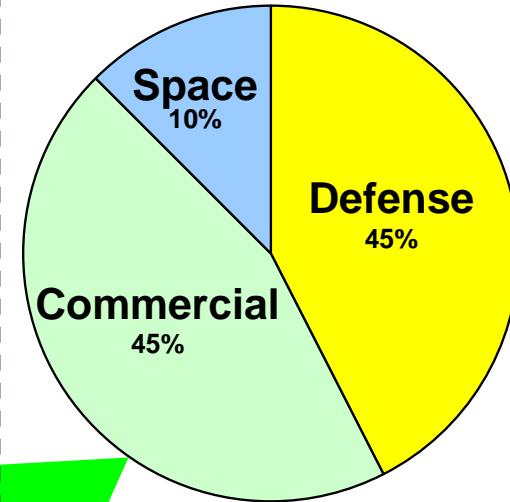
## Space

- Market expansion expected
- Continuous successes of launch

## Defense

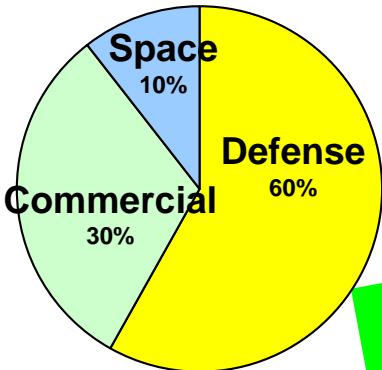
- Market remains steady
- Sustain as mainstay business

Sales  
(planned FY2014)



Total 650 billion JPY

Sales (FY2009)



Total 500 billion JPY

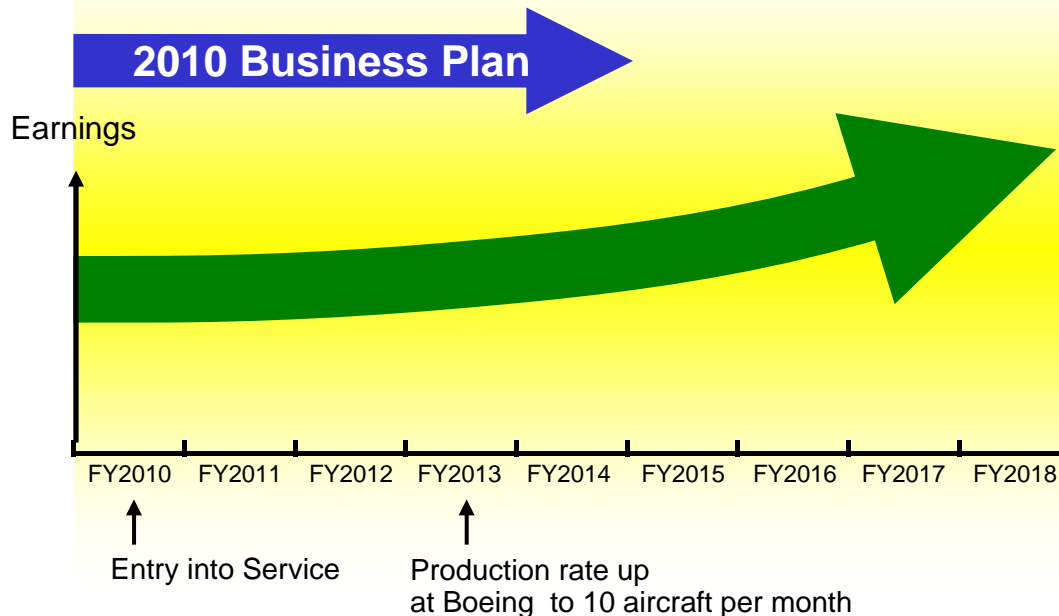
## 4. Commercial Aircraft (Boeing 787)

Investment for the increase of production rate up → Sales increase

- December 2009: First flight
- May 2010: Firm orders for 860 aircraft
- May 2010: 25 MHI wings delivered



First flight in December 2009



The wing loaded into Boeing Dreamlifter at Central Japan International Airport for air transportation

## 5. Commercial Aircraft (MRJ)

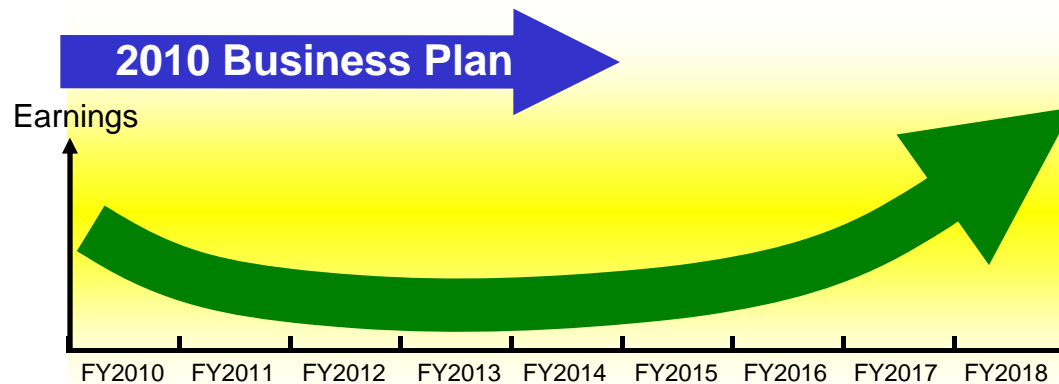
**Steady progress of development toward the first delivery in 2014**



**October 2009:** Announcement of the signing of LOI (Letter of Intent) with Trans States Holdings, Inc. for an order of 100 MRJ aircraft

**2<sup>nd</sup> Qtr, 2012:** First flight (Scheduled)

**1<sup>st</sup> Qtr, 2014:** Entry into Service (Scheduled)



## 6. Space

**Expand orders by continuous launch successes**

**May 21, 2010**

**The launch of the 17<sup>th</sup> H-IIA rocket, which successfully injected the Venus Climate Orbiter “AKATSUKI” into orbit**

**This is the 11<sup>th</sup> straight successful launch of the H-IIA rocket since 2005.**





### Sustain as Mainstay business

- **Budget for the procurement of fighters is expected in fiscal 2011**
  - **Emphasis on the importance of maintaining the defense industrial base, which is essential to the independence of the nation**
    - ➡ **Budget allocation**
- (Example) Operational Support of F-4 fighters**



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