One Year Later

Lessons Learned From Japan Earthquake

Jamco Sendai

Disaster Report & Recovery Steps



Jamco Corporation

Jamco Corporation

Aircraft

Maintenance

Company

Aircraft Interior Company

Jamco America

Jamco Europe

Singapore-JAMCO Private Itd

Niigata Jamco

Miyazaki Jamco Miyazaki Jamco

Jamco Aero Design & Engineering PTD LTD

Aircraft Components
Company



Aircraft Interiors Company

Cockpit Door



Lavatory



Bar Counter



Galley



Cockpit Console





Aircraft Components Company

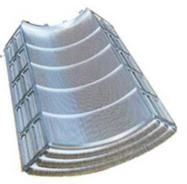
Heat Exchanger



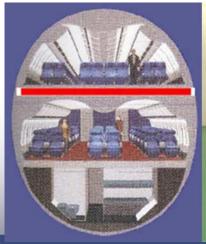
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Pre-Cooler



Advanced Pultrusion (ADP)





Turbine Shroud





Aircraft Maintenance Company

JAMCO's Sendai Maintenance Center is an authorized service center for the following:



Bombardier Aerospace Global Express & Challenger CL-601

Rockwell Collins

Hawker Beechcraft

Gulfstream

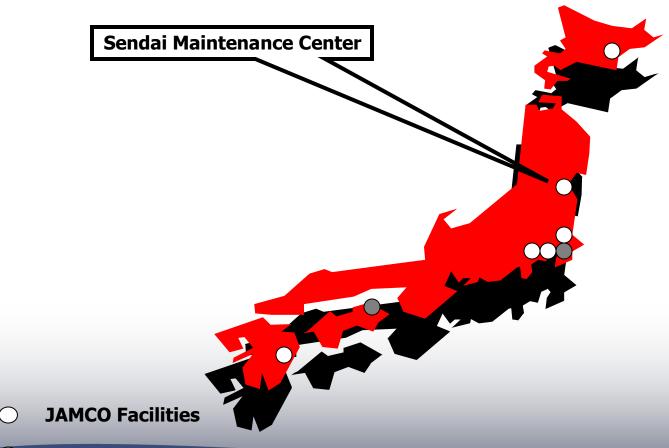
Sikorsky Aircraft

Eurocopter





Jamco Maintenance Network



SubsidiaryCompany



Sendai Airport & JAMCO Sendai Facility





JAMCO Sendai Facility





About 50 minutes later (1)



SJamco

About 50 minutes later (2)



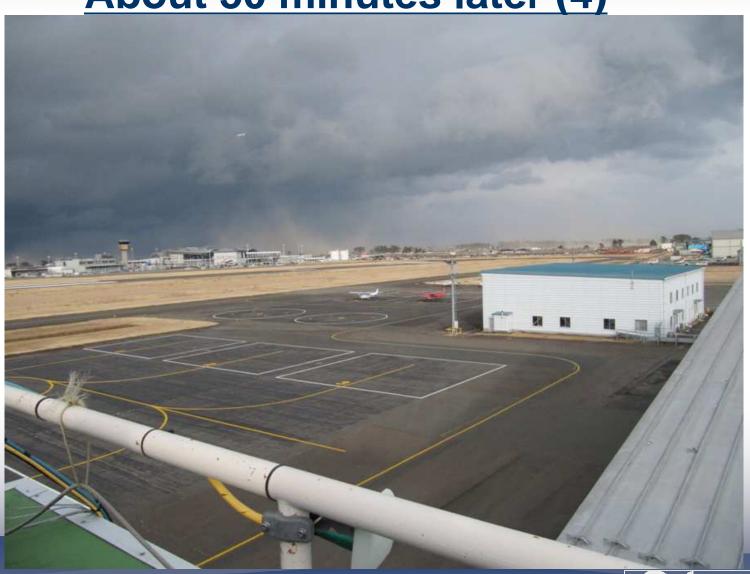


About 50 minutes later (3)





About 50 minutes later (4)





About 50 minutes later (5)



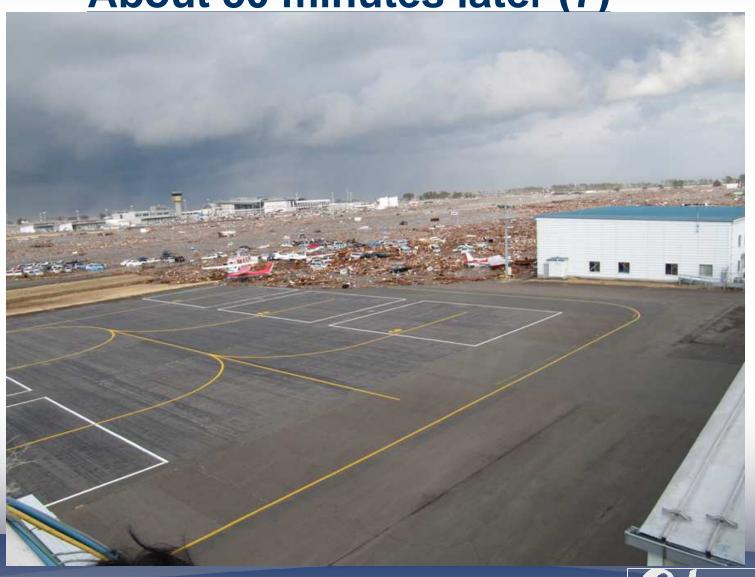


About 50 minutes later (6)



SJamco

About 50 minutes later (7)



SJamcoAMA TE TOPOTES

About 50 minutes later (8)



S Jameo

Tsunami -Dreadful





Damage Summary at Sendai



Impending tsunami. cars, aircraft were swept away.



Sea water is still remained, even in the next day



At parking area, cars were staked.



Evacuee on emergency float



Damage Summary at Sendai



Administration building and No.1 hanger

No.2 hanger





Damage Summary at Sendai



No.1 hanger

No.2 hanger





Immediate Actions Taken

Per Disaster Hand book and Manual

- Setting up a Head Office at Head Quarter
 Confirm Employee's safety and damage situation
 Setting an Intranet to share information with all branches
 Communicate with Government/Customer/Employee
- 2. Setting up a local Communication Office at Sendai Dispatch information to the Head office and Employee's family
- 3. Keeping log of corresponding with Sendai Office In order to identify the prioritized needs at Sendai



Damage and Loss

- 1. Total Amount of Damage : \$14 Millions
- 2. JAMCO Employee Killed : 0
- 3. Employee Family Member Killed/Missing : 7
- 4. Complete Destruction of Employee's House: 8



Recovery Steps

1. Established Recovery Plan including Budget Plan

Difficulty of business decision

Sendai Airport was heavily damaged

Subsidence around the area

Possible similar size of earthquake happen again

- 2. Restore the facility per recovery plan
 - **Purchasing new Tools/ Equipment**
- 3. Obtain an approval from JCAB to restart the business



Recovery Plan

	2011					2012	
	Mar.	• •	Sep.	Oct.	• •	Apr.	• •
Reconstruction	△Disas	ster			•		•
Domestic							
Customer							
International							
Customer							

AOG service to the international customer will be provided case by case basis until March 31, 2012.







Administration building and No.1 hanger All wrecks are cleared.





No.2 hanger





No.1 hanger and apron







Entrance for administration building





Entrance gate for No.2 hanger





No.1 hanger

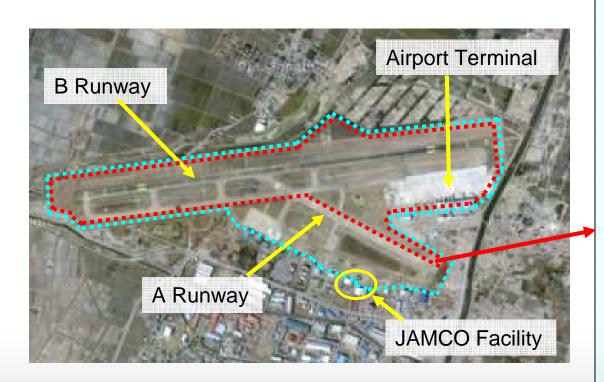




No.2 hanger



Sendai Airport Status



: Original restricted area

: Temporary Fence and Gate





Temporary Fence and Gate



Difficulties

- 1. Business Decision Staying Sendai or not
- 2. Keeping employment and work circumstance
- 3. Employee's mental care
- 4. Heavy damage and destruction of infrastructure caused delay of construction
- 5. Obtaining an approval for using the facility from Firefighting department after completion of construction



Lessons Learned

- 1. "Hope for the Best and Prepare for the Worst"
- 2. 「絆」 "Kizuna" Unity in entire company ties closer
- 3. Support from Customers, Suppliers and Friends



Thank you for your support.

We will be deeply grateful for your help forever.

Jamco

