

Westinghouse Electric Company Can Assist with Fukushima Challenges

3rd JAPAN-U.S. FORUM ON FUKUSHIMA DECOMMISSIONING AND
RECOVERY “FUKUSHIMA FORUM”

February 24, 2016

Westinghouse Reference: WEJ-OTH-OTH_-16-003

The "RIGHT TO GROW" logo, featuring a stylized green leaf icon above the text "RIGHT TO GROW" in a bold, italicized, sans-serif font.

RIGHT TO GROW

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Westinghouse Support to Fukushima



RIGHT TO GROW

- Provided personal protection equipment and respirators
- Served on INPO Industry Support Team at TEPCO
- Participated on INPO Industry Support Team in Atlanta
- Co-developed conceptual design for Simplified Active Water Retrieval and Recovery System (SARRY) — resulted in successful initial water treatment
- Led unmanned aerial vehicle team at site with Toshiba
- Member of the Toshiba Mt. Fuji Team



T-Hawk Micro Air Vehicle

- video and radiation data
- 45 missions

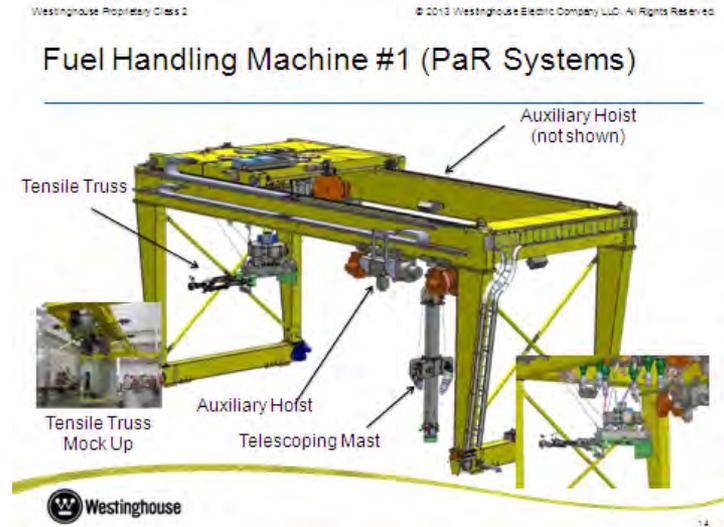


Westinghouse has been significantly engaged in all aspects of Fukushima response from initial response to now

Current Unit 3 Fuel Removal

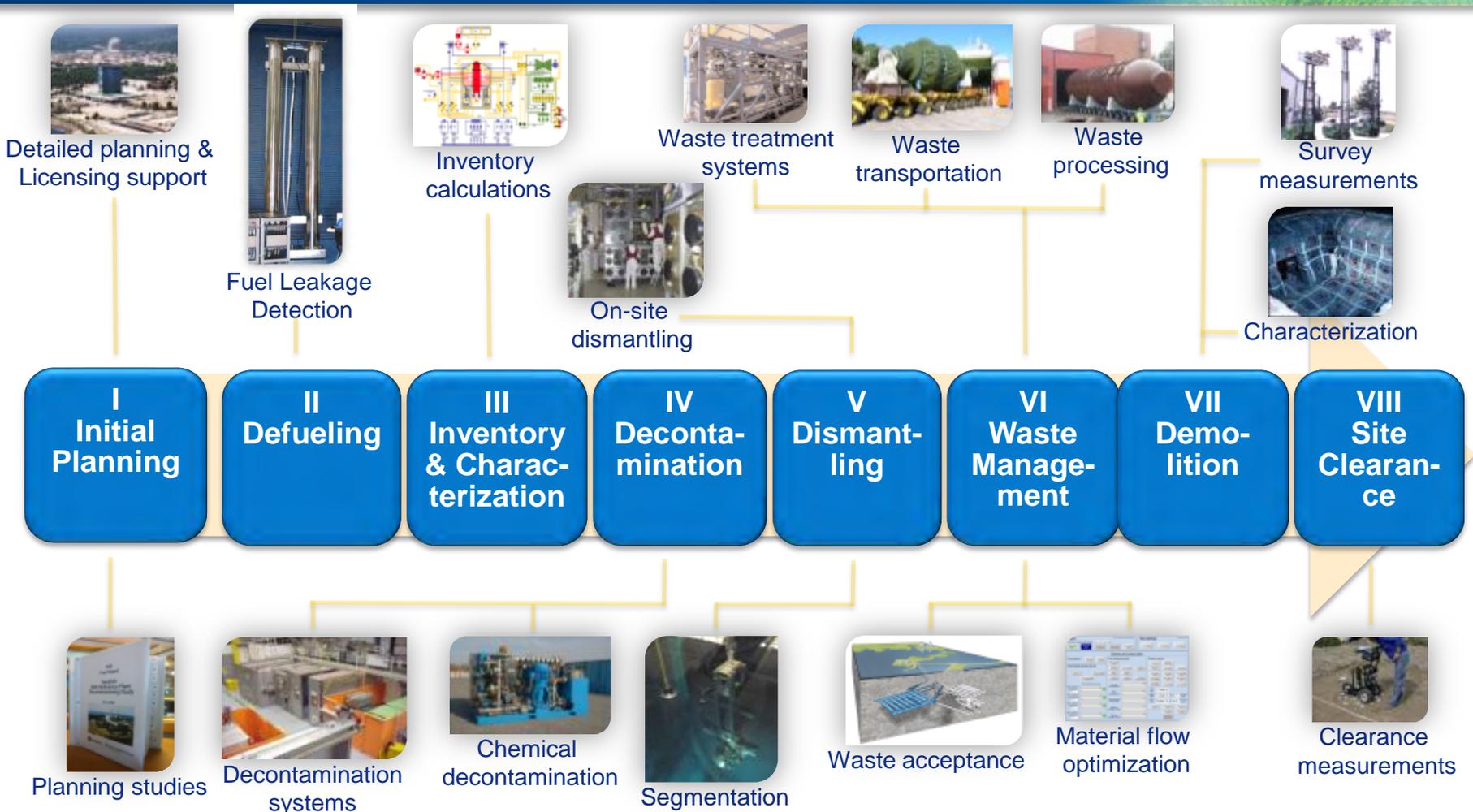


- Complex remote first-of-a-kind machine
- Robotic arms for concrete and metal debris
- Ability to handle damaged fuel
- Fuel Removal and Cask Loading
- Integrated Global Project
 - Toshiba
 - Westinghouse U.S./Japan/Germany
 - Westinghouse Fuel-handling Equipment and Crane Manufacturing
 - Westinghouse Richland Service Center



Overcoming an extreme environments in Unit 3 Spent Fuel Pool with unique and versatile global technology

Westinghouse & Partners A Full-scope D&D Provider



Bringing commercial nuclear decontamination and decommissioning technology and know-how for Fukushima Recovery

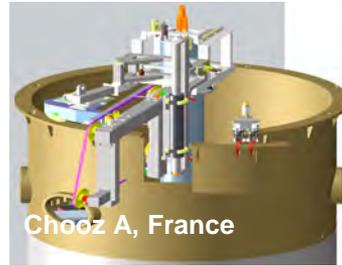
Recent International Successes



**Sellafield (UK)
Decommissioning (2015)**



**EDF Chooz A (France) First
RV dismantling (2015)**



**ISPRA (Italy)
Decommissioning
Studies (2010-2014)**



**Fukushima Unit 3
Spent Fuel
removal (2013)**



**Bohunice
Decommissioning
Plan (2013)**

**Peach Bottom (USA)
Grand Gulf (USA)
Steam Dryer
segmentation (2012,15)**
**4-year operation and
engineering support
to El Cabril repository (2013)**



**Centralized
Interim Storage
for Spent Fuel
(2013)**

**Zorita RVI and RV
Segmentation (2011 & 2013)**



**Kozloduy (Bulgaria)
LILW repository design (2011)**





Why Westinghouse?

- Extensive experience in decontamination, segmentation and waste management
- Proven technology and methods
- Lessons learned from global projects
- Strong project performance
- Innovative approaches, leveraging multifaceted capabilities
- Local deployment / support capabilities
- Enduring commitment to nuclear energy