

Field Deployable Hydrolysis System Operations:

Demilitarizing Syria's Declared DF and HD aboard the MV Cape Ray



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TECHNOLOGY DRIVEN. WARFIGHTER FOCUSED.

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- Operational overview
- Principal Operational Challenge: Storage and pH Adjustment
- Process management and flexibility
- Offload and demobilization
- Mission accomplished

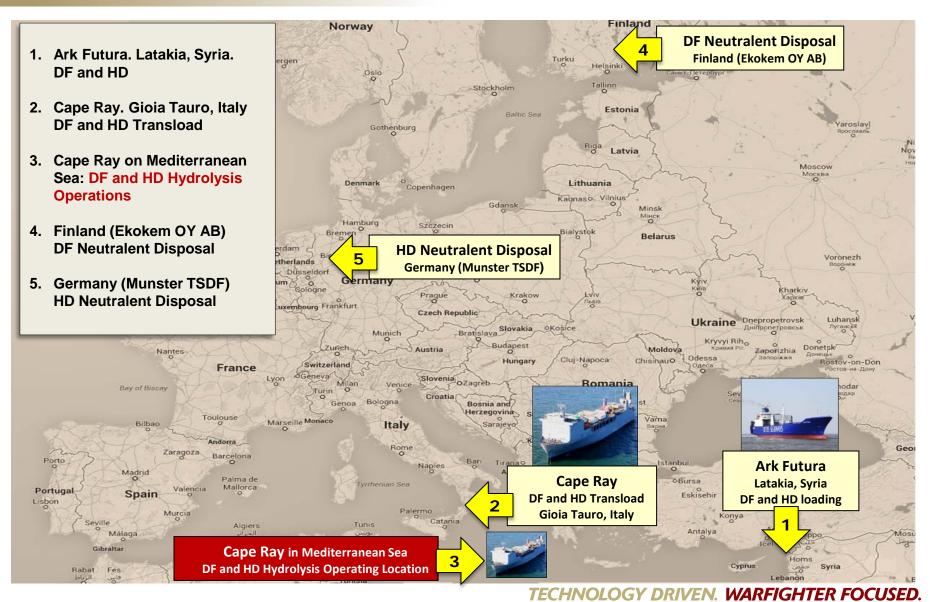






Operational Overview







Transload & Operational Readiness 2-7 July 2014

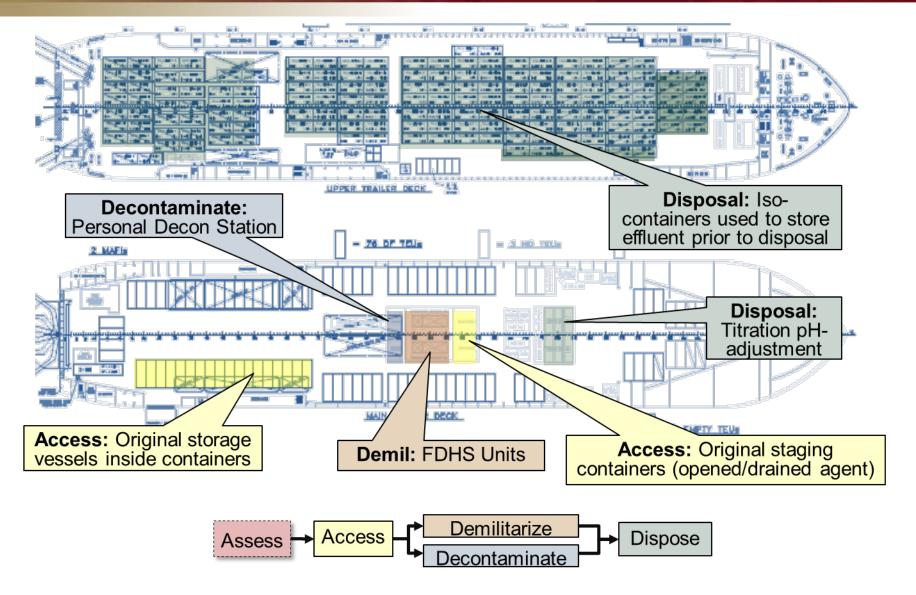
- Material transfer of DF and HD to Cape Ray at Gioia Tauro, Italy
- 100% inspection of Syrian containers
- Readiness exercises and declaration





Destruction Planview

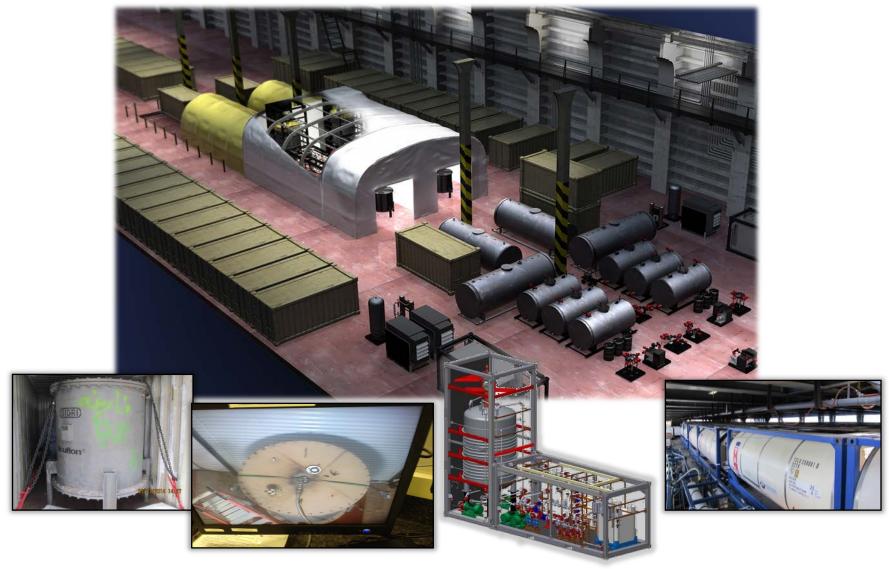






Cape Ray Process

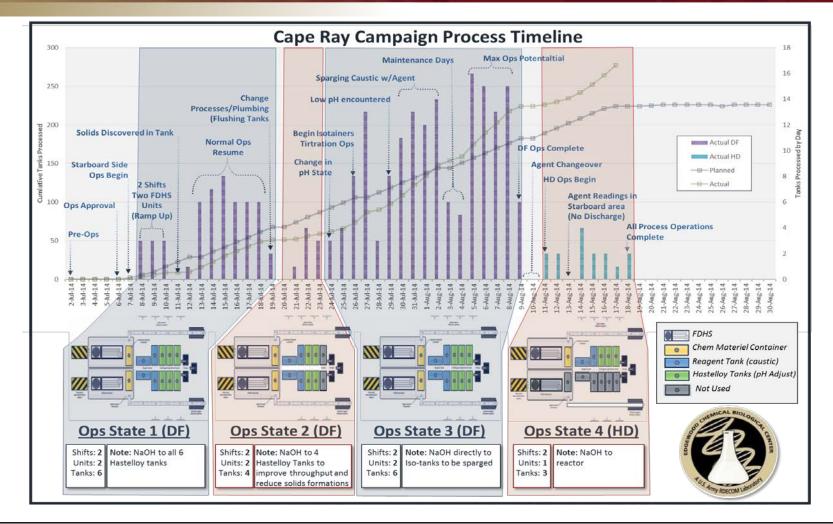






Campaign Timeline





On board decision making, supported by technical reach back, critical to success



Offload and Demobilization



- Apr 2014 Demobilization coordination completed
- 17 Aug 2014 Operations complete: 600MT destroyed in 42 days
- 5 Sep 2014 Offloading of waste complete: tanks inspected and delivered to OPCW-contracted treatment facilities in Finland and Germany for proper disposal
- 17 Sep 2014 Cape Ray return to Portsmouth
- 14 Jan 2015 Cape Ray operations area declared clear of DF/HD
- 12 Mar 2015 Cape Ray declared clear for service





Mission Accomplished



The successful demilitarization of chemicals using hydrolysis was the result of systematically applied science, experience, and international collaboration.

"It is an excellent example of how practical cooperation between international organisations can achieve tangible results in disarmament." — Ahmet Üzümcü, Director-General OPCW





Contacting CBARR







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