

WENDY SCHMIDT OIL CLEANUP CHALLENGE

Competition Overview

X PRIZE FOUNDATION

- A 501(c)(3) non-profit foundation
- The world's premier incentive prize organization, creating and managing high-profile, global competitions to solve the grand challenges of our time
- The \$10M Ansari X PRIZE: First team to privately build a spaceship which could carry 3 adults to 100KM, twice in two weeks.
- The \$10M Progressive Insurance Automotive X PRIZE: To develop manufacturable, fast, affordable cars that exceed 100 MPG

Wendy Schmidt Oil Cleanup X CHALLENGE

- Designed to inspire a new generation of surface oil spill cleanup technologies in the wake of the 2010 Deepwater Horizon Oil Spill
- Prize purse and partial operations funded by Wendy Schmidt, President of the Schmidt Family Foundation
 - \$1,000,000 First Place
 - \$300,000 Second Place
 - \$100,000 Third Place
- Winners to have the highest **Oil Recovery Rate (ORR)** above **2500 gallons per minute** (gpm) / 568 cubic metres per hour
- Minimum **70% Oil Recovery Efficiency (ORE)** of oil to water collected

Judging Panel

- **John Joe “JJ” Dec** - United States Coast Guard (Ret.)
- **Eugene Johnson** - United States Coast Guard (Ret.)
- **Hung Nguyen** - Bureau of Safety & Environmental Enforcement
- **Henry R. “Skip” Przelomski** - Clean Caribbean & Americas
- **Dennis Takahashi-Kelso** - EVP, Ocean Conservancy
- **Donald A. Toenshoff, Jr.** - Marine Spill Response Corp.
- **Peter Velez** - Shell International Exploration & Production
- **Dave Westerholm** - National Oceanic & Atmospheric Administration

15 Month Timeline

- **July 2010:** Prize Launch
- **Aug 2010 – Oct 2010:** Pre-registration (350+ teams)
- **Nov 2010 – Feb 2011:** Registration (37 teams)
- **Feb 2011 – Apr 2011:** Phase I Design Judging
 - Teams complete design and plan submissions by 4 April (27 teams)
 - Judges select 10 Finalist Teams by 20 April
- **May 2011 – October 2011:** Phase II Field Testing
 - Teams design and ship systems between 20 April and 18 July
 - Field testing at Ohmsett test facility in Leonardo, NJ between 22 July through 30 Sep
 - Judging Panel meeting to select winners on 3 Oct
- **October 11, 2011:** Awards Ceremony and Winners Announcement in NYC

And the winner is..



Elastec skimmer results

- Combined Mean Oil Recovery Rate 4670 gpm / 1,061 cu.m per hour
- Combined Mean Oil Recover Efficiency 89.5%
- Calm Mean Oil Recovery Rate 4,706 gpm / 1,069 cu.m/hr
- Calm Mean Oil Recovery Efficiency 88.9%
- Wave Mean Oil Recovery Rate 4,633 gpm / 1,051 cu.m/hr
- Wave Mean Oil Recovery Efficiency 90.1%

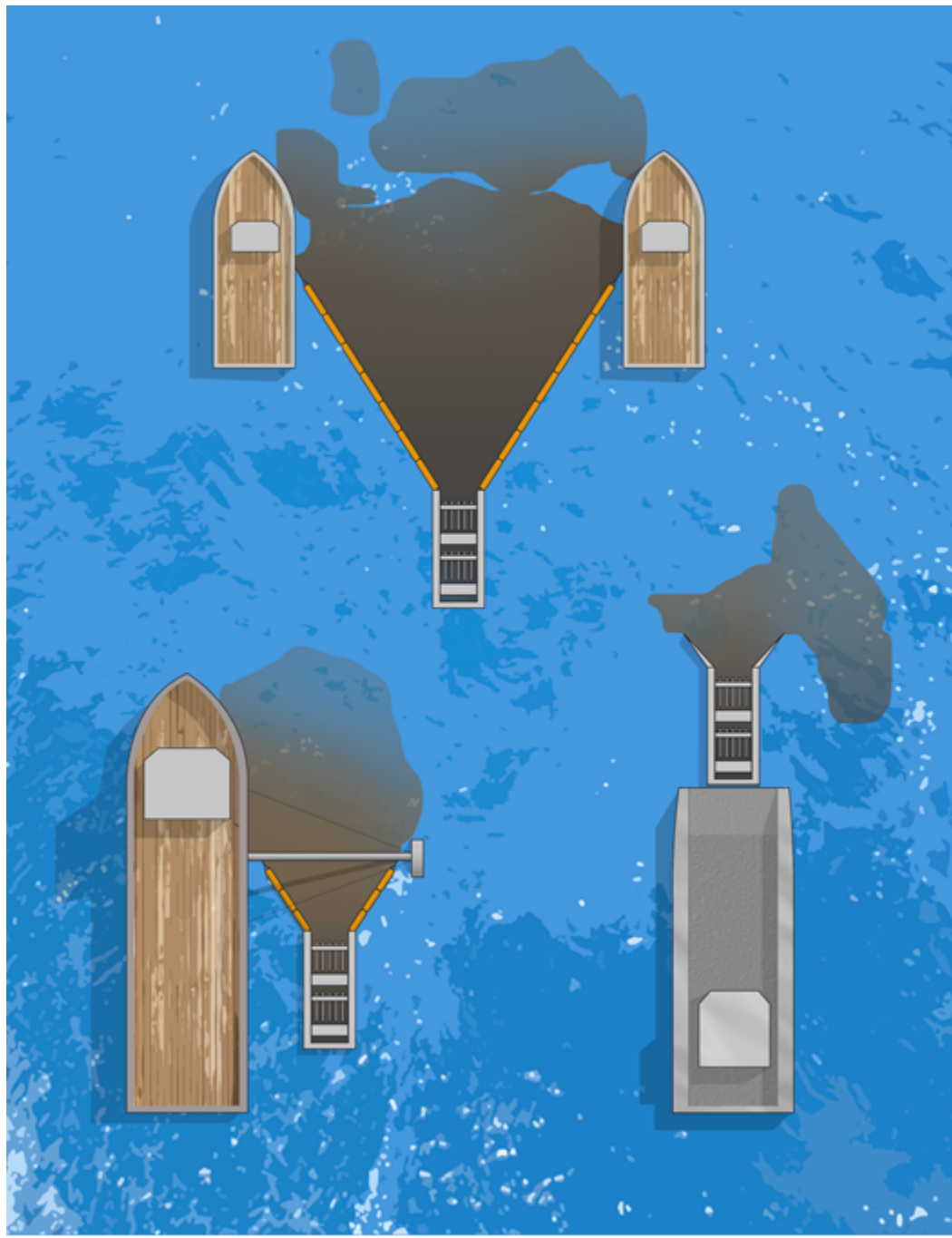
For full results and testing procedures refer to Ohmsett presentation on Thursday 9.30am

Winning machine



Commercial version of the X Prize winning technology, the X150.





Questions?

www.elastec.com