

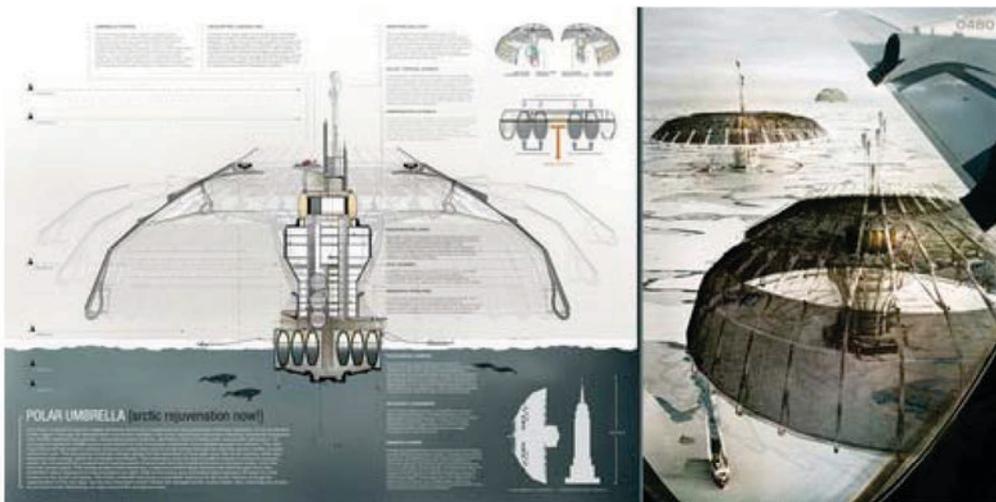
Derek Pirozzi Architecture Workshop | Sarasota FL

Master Research Project Architectural Photography Olson Kundig Internship Core Design Portfolio Advanced Design Portfolio ask

2014 eVolo International Sky scraper Competition Jury Member | 2013 eVolo International Skyscraper Competition First Place Winner | 2013 Six Month Architectural Intern at Olson Kundig Architects Seattle WA | 2012 Masters of Architecture | University of South Florida School of Architecture and Community Design | 2012 Thesis Award Recipient | 2012 SACD Outstanding Advanced Design Portfolio Award Nominee | 2012 SACD Eduardo garcia Award Nominee (SACD Highest Design Honor) | 2011 AIA Tampa Bay President's Award | 2010 SACD Outstanding Core Design Portfolio Award | 2010 SACD Masonry Award Recipient | 2004 BSA Eagle Scout

Best Selection WT SmartCity 2014, International Award for the Architecture →

2014 WT SMARTCITY AWARD: THE POLAR UMBRELLA



Polar Umbrella cools the Earth's surface to contrast the global warming. Through its desalination system and power, this Arctic skyscraper becomes a floating metropolis with NOAA research laboratories, renewable power system, dormitory, eco-tourism attractions and ecological habitats for wildlife. The salt water is used to produce a renewable source of energy through an osmotic power plant housed inside the building. In addition, the immense roof structure allows the reduction of heat gain on the Arctic surface after the collection of solar energy. Thermal skin of the umbrella boasts a number of modules that make up a system of polyethylene pipes that pump water brackish. Finally, the Polar Umbrella also regenerates the ice sheets using collection chambers that freeze the ocean water.

(Source: well-tech.it)