

outboard motors. Former competitive powerboat racer Wylie Nagler founded Yellowfin Yachts in 1998, shortly after selling his first company, Back Country Powerboats. Today, Yellowfin is known primarily for its fishing skiffs and yachts, which its 125 employees manufacture in a 130,000-square-foot facility in Sarasota. "When I founded Yellowfin, I knew I could fill a void in the market by designing a boat with exceptional fishing features, then using my racing background to make it go fast," Nagler says.

FIREEYE Cybersecurity: the next generation

Department of Homeland Security Secretary Janet Napolitano recently cited cybersecurity as a main priority for what she called DHS 3.0. More than 60 government agencies use security software made by FireEye of Milpitas, California, to thwart advanced threats often missed by firewalls and virus programs, including botnet attacks, which are launched from networks of computers infected with malware. Once it identifies a potential threat, FireEye removes the suspicious file to a virtual location, runs it, and quarantines or destroys it. Ashar Aziz founded FireEye in 2004, two years after selling his data virtualization company, Terraspring, to Sun Microsystems. Today, FireEye, which has received funding from In-Q-Tel, the nonprofit investment arm of the U.S. intelligence community, has more than 500 employees and 1,500 government and corporate clients, including the Department of Defense and Sallie Mae. FireEye has nine offices worldwide, including locations in Dubai, Seoul, and Buenos Aires.

WALLEYE TECHNOLOGIES X-ray vision in your hand

Stationary microwave scanners used to screen bags and passengers at airports are often impractical in the field. Walleye Technologies of Lincoln, Massachusetts, has created a portable handheld scanner that lets security personnel see through opaque sur-



On the Lookout

Awwatch delivers aerial footage of critical sites such as the Pilgrim Nuclear Power Plant in Plymouth, Massachusetts.

faces, including clothing, packages, and walls. The battery-operated device, which uses millimeter wave imaging technology, can capture, store, analyze, and transmit images to computers via USB drive, Bluetooth, or Wi-Fi. Christopher Adams and Dave Holbrook co-founded Walleye in 2006 and spent six years developing an affordable product. Typically, millimeter wave lenses are made using a complex mixture of materials and can cost as much as \$20,000 to produce. Holbrook used his expertise as an optical engineer to design a plastic lens that costs \$20 to make. The six-employee company received a cash infusion from In-Q-Tel in March 2012 and that fall started selling its scanners for \$14,995 each. Several companies and government agencies in the U.S. and abroad are testing or using the devices.

AWWATCH Airborne first responders

When disaster hits, emergency teams need a bird's-eye view of the situation on the ground. Awwatch of Cape Cod, Massachusetts, operates a fleet of five airplanes and one helicopter equipped with electro-optical, infrared, or high-definition cameras that stream live video to emergency responders on the

ground. Responders can speak directly to the pilots and maneuver the cameras remotely from laptops, tablets, or smartphones using Awwatch software. Clients, which include the Coast Guard, the National Guard, and the Air Force, can also retrofit their own aircraft with the Awwatch system. Chris Kluckhuhn, a former Coast Guard helicopter pilot, started Awwatch in 2008 after graduating from the Naval Postgraduate School Center for Homeland Defense and Security. Two years later, the company got its first big break when BP tapped it to help locate oil slicks over the Gulf of Mexico after the Deepwater Horizon spill. During Hurricane Irene, Awwatch, which has 10 employees, coordinated with multiple local, state, and federal agencies, delivering photos of affected areas in New York, Connecticut, and Massachusetts to responders within minutes of the storm's passing.