

# First Descent Solutions

a division of

## First Flight ROV

*"We are based in Kill Devil Hills, North Carolina; the location of Orville and Wilbur Wright's first historic flight.*

*They took the world to new heights; at FDS, we take ROV technology to new depths."*



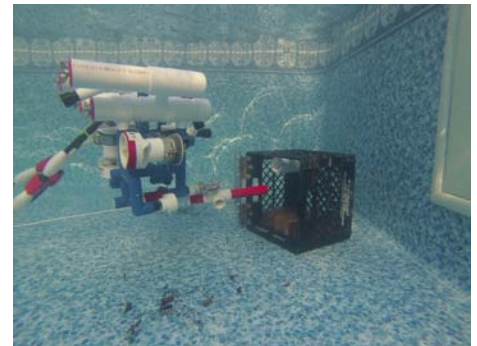
### 2016 Staff (pictured left to right)

- Sam Weybright – CEO, Pilot, Senior, 3<sup>rd</sup> year with company
- Ricky Carroll – CFO, Poolside manager, Senior, 3<sup>rd</sup> year with company
- John Lawson – Payload tool specialist, Junior, 1<sup>st</sup> year with company
- Mac McClary – Electrical specialist, Sophomore, 1<sup>st</sup> year with company
- Luke Potter – Construction manager, Junior, 3<sup>rd</sup> year with company

### History of FDS

Here at First Descent Solutions, we stand by our previous successes and reputation as former Ranger Class International Award Winner.

- 2014 International Competition 9<sup>th</sup> overall
- 2011 International Competition 4<sup>th</sup> overall
- **2010 International Competition 1<sup>st</sup> overall**
- 2010 International Competition Engineering Award
- 2008/2009 International Competition 6<sup>th</sup> overall
- 2008 International Competition Top Engineer Award



### New For 2016!

#### Safety Features

- All thrusters have become more efficient with well-fitting kort nozzles that are clearly marked with caution signs.
- Separate shielded lines for cameras ensures superb video quality.
- Manipulator has been integrated into the machine's frame to minimize size and danger of catching on edges.

#### Special Features

- FDS-2016 has been designed to be faster, lighter, and more versatile while keeping the price low.
- 300° field of view with fish-eye cameras facing forwards and back.
- Smaller and more flexible tether makes maneuvering more fluid.
- ROV retail price only \$1750: \$520 in reused parts, \$1230 in new parts.

More than 200 man hours to build ROV