First Flight ROV - NexGen 2017 - First Flight Middle School - Kill Devil Hills, NC

*2017 MATE Mid-Atlantic Ranger Champions - 2016 Scout Champions

Team Members
Jacob Thomas - CEO - Navigator - Design, Engineering, Construction - 8th grade - 2nd year - 9 year Mascot
Drew Whitehead - Pilot - Design, Engineering, Construction - 8th grade - 2nd year
Jack Voight - CFO - Launch and Recovery - Design, Engineering, Construction - 8th grade - 2nd year
Will Roepcke - Electronics - Design, Engineering, Construction - 8th grade - 2nd year
Elliott Piland - Tool Specialist - Design, Engineering, Construction - 8th grade - 1st year
Travis Lawrence - Data Analyst - Design, Engineering, Construction - 8th grade - 1st year

Quick Facts
● 2780 miles from Kill Devil Hills, NC to Long Beach City College, CA
● Total cost - $1447 - New parts $1148 - Donated/Re-Used parts $299
● 144 hours of team production time

Safety Features
● Shrouded thrusters
● All components fit inside the frame structure
● Warning labels & high visibility colors on moving parts
● Internal wiring
● Positive Pole inline fuse
● Wiring Strain relief

Special Features
● All tools fold inside frame to reduce size for transport
● 4 camera angles compiled to one split screen
● Separate filtered camera line for higher video quality
● Lightweight - under 11 kg - and - Compact - under 48 cm in diameter

FFROV NexGen Team Photo
From left: Jacob Thomas, Elliott Piland, Travis Lawrence, Drew Whitehead, Will Roepcke, Jack Voight (Photo: Thomas)