

NEOEx Systems

We provide on-board liquid hydrogen energy storage and fuel cell power system integration services to unmanned aerial vehicle (UAV) manufacturers. We work with hydrogen suppliers to provide liquid hydrogen refueling services for UAV operators.

Their EXTreme ENDurance EXTEND™ Energy and Power System will enable a revolution in Unmanned Aerial Vehicle (UAV) (aka drone) transportation by providing on-board energy and power for extreme, long-duration, and long-range operations. NEOEx's UAV liquid hydrogen energy storage technology combined with fuel cell produced electrical power is scalable from small commercial drones operating at less than 55 lbs. to large Personal Air Vehicles. The team's technical expertise in liquid hydrogen systems including storage, transfer and generation provides UAV operators with a continuous supply of liquid hydrogen. They work closely with UAV Original Equipment Manufacturers (OEMs) to integrate the NEOEx EXTEND Energy and Power System(TM) into their vehicles to increase their flight duration by a factor of twenty.

GROWTH CHALLENGE

NeoEx went into the showcase looking for investors for their drone with special fuel. While the Mspire judges didn't see potential in that pitch, they did see an opportunity to help NeoEx define itself in a space in need. And that is why NeoEx was awarded XX at that year's Mspire.

MAGNET'S ROLE



- Provide coaching resources so owner can better define customer
 - Offered product design support
- Continuing growth efforts include:
- Sourcing manufacturing references
 - Business support
 - Cyber security certifications

OUTCOME & IMPACT

NeoEx found his product's unique value proposition of providing liquid hydrogen fuel that allows drones to have longer flight duration.

Today, NeoEx is executing on an STTR with Air Force to build and test liquid hydrogen flight. The company has experienced significant and continuous growth, including an additional investment from GLIDE.