



ALUMNI BUSINESS PROFILE



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About Gecko

Gecko Robotics aims to save human lives at our nation's power plants with its wall-climbing robots. Gecko Robotics is the solution to an industry problem; true, predictive maintenance inspections. Their robotic technology is the first to climb and scan boiler walls using ultrasound transducers and an HD visual camera. The robots are saving the power-generation industry billions of dollars and making the process of inspection much safer for its workers.

SAFE INSPECTIONS
FAST TURNAROUND
PREDICTIVE MAINTENANCE



Team

Jake Loosarian '13 - Founder and CEO

Troy Demmer '11 - COO

Josh Moore '13 - Lead Mechanical Engineer

Ian Miller '13 - CTO

As of December 2020 there are 100+ Gecko employees.

Brief History

Gecko Robotics was conceived at Grove City College by Jake Loosarian '13 and fellow electrical engineering majors Ian Miller '13, Andrew Wilson '13, and Orion Correa '13 as their senior project. By the end of their senior year, they had a working prototype and began testing. The team benefitted from Grove City College's VentureLab program, an idea feasibility lab through the Center for E+I.

Boilers are the heart of a power plant, where fuel is burned to create the steam that drives turbines. They must be in good shape to keep the system running safely and efficiently and they require regular inspection. For decades, that inspection has required complete shutdown of the power plant, at least once a year. Inspectors set up and climb massive scaffolds to eyeball infrastructure for wear and damage. The work is dangerous and costs the industry \$15 billion a year. How is it possible to do true, predictive maintenance on boilers when you're only inspecting

by hand every 6-8'? How do you make informed decisions to prevent forced outages when you can only see 1% of the entire boiler?



Milestones

- 2013** Participated in GCC VentureLab Program
- 2016** Accepted into Y Combinator
Chosen as one of the Top 7 startups from the accelerator's Winter '16 Demo Day, raised \$120,000
- 2017** Won \$150,000 at Rice University's Business Plan Competition
- 2018** Raised Round A amount of \$7M from investors including Mark Cuban, The Westly Group, Justin Kan, and Y Combinator