



PHASEFOUR

Company Overview

for

LAEDC Board of Governors

April 18, 2018

What does Phase Four do?

Vision

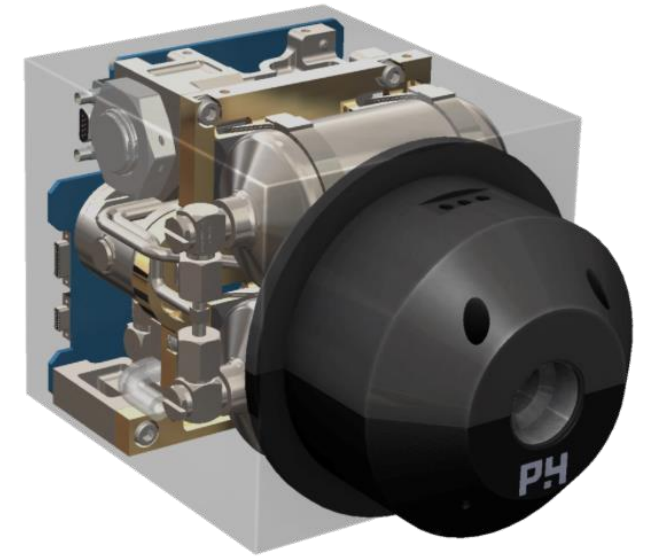
“To accelerate the democratization of space and do things better, faster, and more creatively.”

Technology/Product

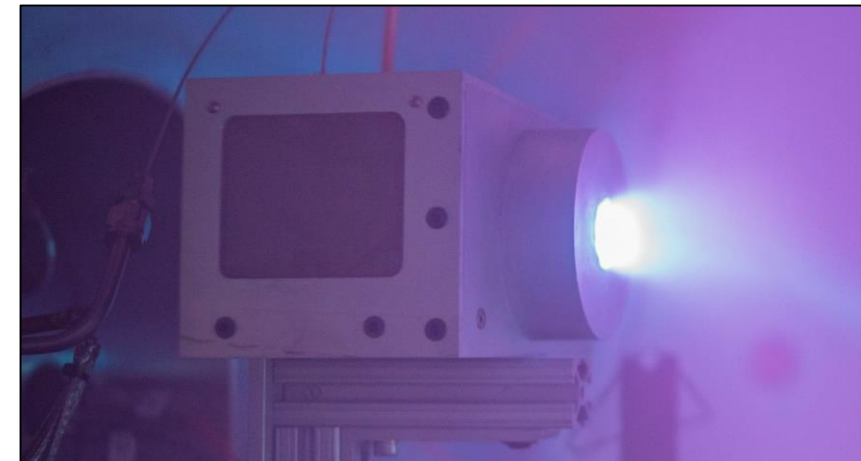
Radio Frequency Thruster (RFT):
propulsion system for spacecraft

- Focused initially on small spacecraft market
- Can scale to meet the needs of any size spacecraft

in-space



Rendering of RFT prototype to be launched late-Summer 2018



Testing at new Phase Four facility, April 2018

What is Phase Four's company history?

Pre-2015

- Technology concept developed at Univ of Michigan

2015

- Phase Four incorporated
- Established business HQ in Pasadena
- Licensed patents from Univ of Michigan to achieve vision
- Awarded \$1M Dept of Defense contract

2016

- Moved business to El Segundo and transitioned in R&D

2017

- Booked mission to demonstrate technology in space
- First customers secured

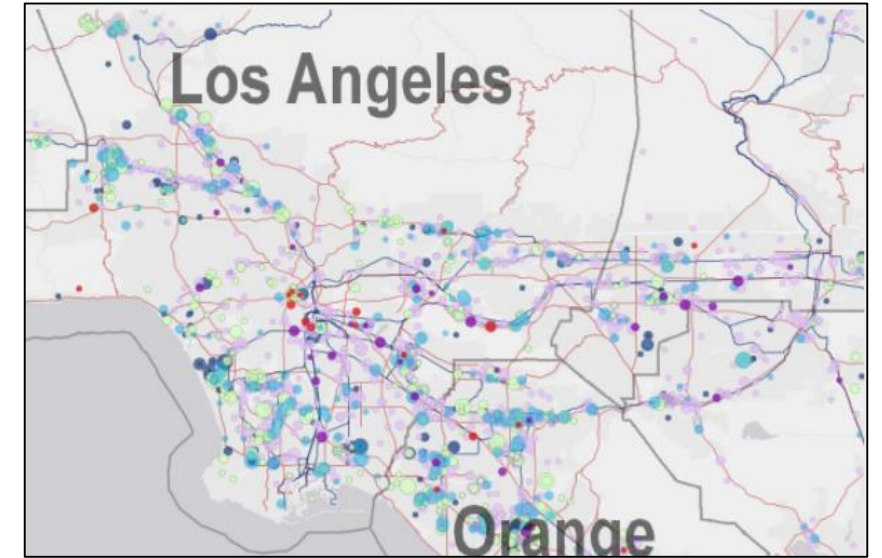
2018

- Moved to new facility in El Segundo to accommodate larger workforce
prepare for production of commercial products

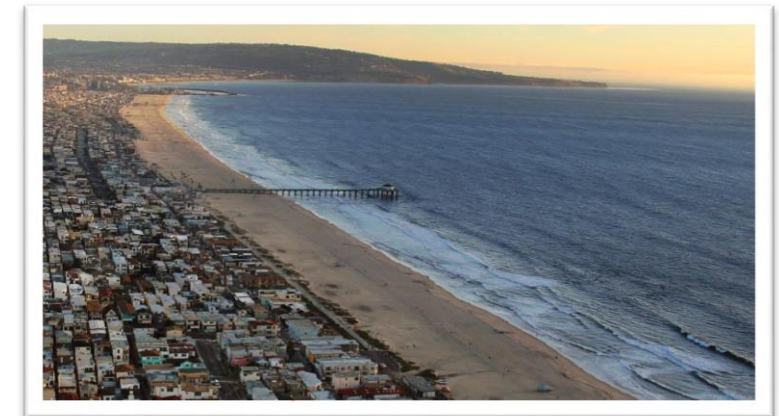


Why Los Angeles?

- Cradle of aerospace innovation
 - Storied history of aerospace innovation that matches Phase Four's ambitious vision - Hughes, Skunkworks, JPL
 - Established, mature aerospace supply chain
 - Large aerospace workforce and talent pool
- Unbeatable access to:
 - Customers
 - Venture capital
 - Suppliers
- A city that sells itself:

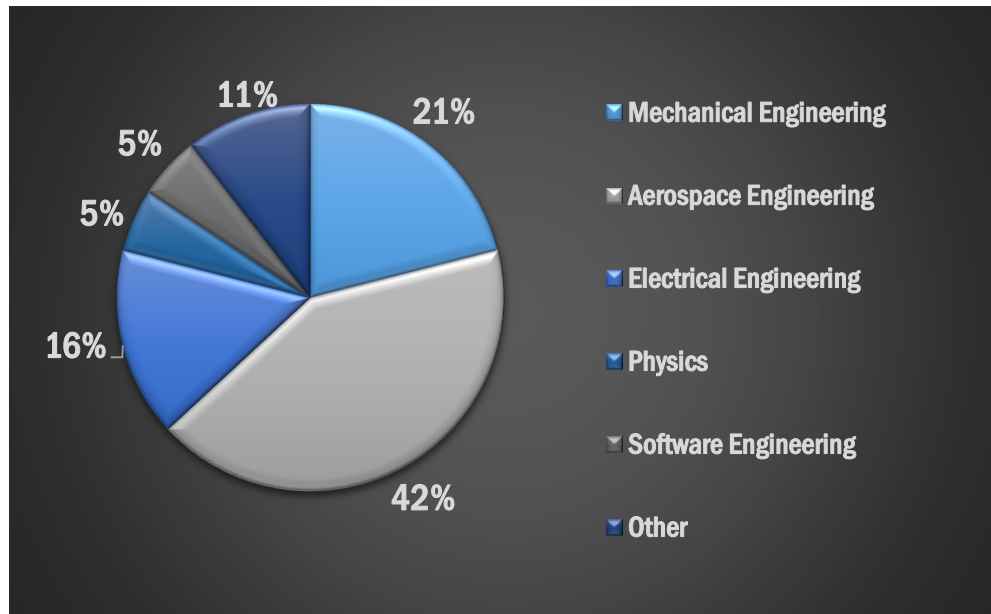


Southern California Regional Suppliers
Source: LAEDC



Who does Phase Four employ?

- Currently 19 employees
 - 7 in R&D roles
 - 7 in Engineering roles
 - 5 in G&A roles
- Educational Backgrounds



- Real-world experience at:



What assistance has Phase Four received from the LAEDC?

- Primary point of contact: Barbara Levine
 - Met at Space Tech Expo in Pasadena in 2017
- Programs utilized:
 - Site search for new facility in South Bay area
 - Networking and connections with
 - Supply chain consultants
 - Southern California Edison
 - Accounting firm specializing in R&D tax credits
 - Events
 - Southern California Aerospace Council, firms



Phase Four New Facility: 129 Sierra Street



SCAC Quarterly Meeting April 2018

What is on the horizon for Phase Four this year?

- LAUNCHES
 - In-space demonstration mission in late summer, Force Base
 - First commercial product aimed at CubeSat customers
- First delivery of propulsion systems to a customers
- Continued expansion of company expertise and capabilities

from Vandenberg Air



In-Space Demonstration Rendering



Mural commissioned in Summer 2016 to illustrate Phase Four's vision