VULCAN V VENTILATOR PROJECT

TIMELINE INFOGRAPHIC



HACK-A-VENT **CHALLENGE INITIATED**

THE PROBLEM



75,000

Ventilators were projected to be needed by mid-May.*



97 US COVID-19-related deaths as of March 18, 2020. **



\$50,000

Max for each computerized, bedside machine.**



LESS THAN 12

American companies make ventilators.**

CHALLENGE CRITERIA



HIGHLY **PRODUCIBLE**

And easy to use.



LOW COST <\$300 per ventilator.



MEETS REQUIREMENTS

Established by HHS.

NON-DISRUPTIVE

To traditional supply chain.



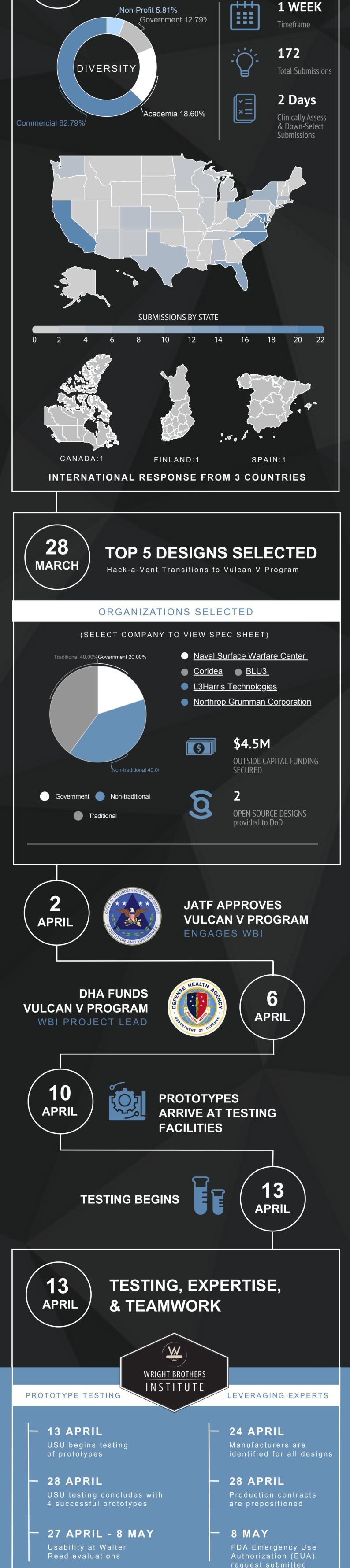




DHA initiated and leveraged the Vulcan Platform, sponsored by USSOCOM, to collect and assess submissions.



SUBMISSION DEADLINE





100% VIRTUAL COLLABORATION

ACROSS STATES | TIME ZONES | TOOLS



DAILY VIRTUAL **CALL PARTICIPANTS**

AT PEAK PARTICIPATION



CALLS PER DAY SCRUM | COLLABORATE | UPDATE



9 APRIL - 9 MAY 2020



VIRTUAL TOOLS USED

"Before Covid 19, this would have been a 3 year endeavor at minimum, and we are accomplishing it in less than 3 months".

- Edward Ruppel, Coridea Director of Engineering

DATA SOURCES:

*"There Aren't Enough Ventilators to Cope With the Coronavirus." The New York Times, www.nytimes.com/2020/03/18/business/coronavirus-ventilator-shortage.html.

**"Coronavirus Alert: March 18, 2020: Everyday Health." EverydayHealth.com, www.everydayhealth.com/infectiousdiseases/coronavirus-alert-march-18-2020/.