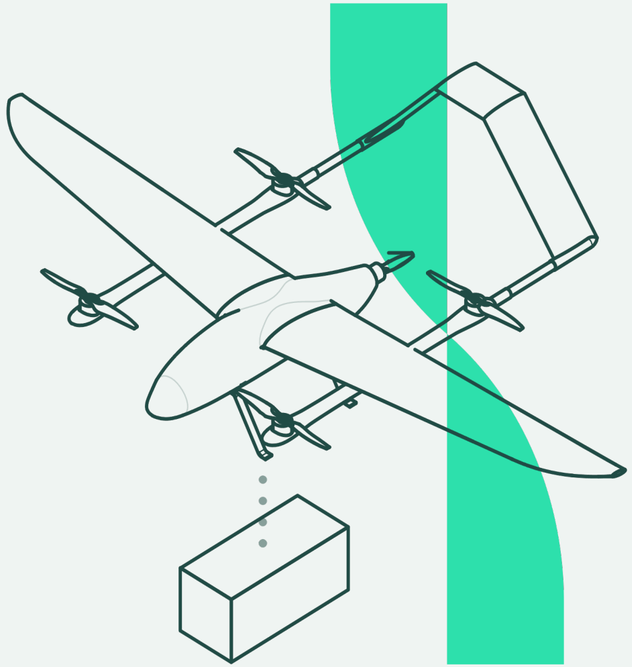
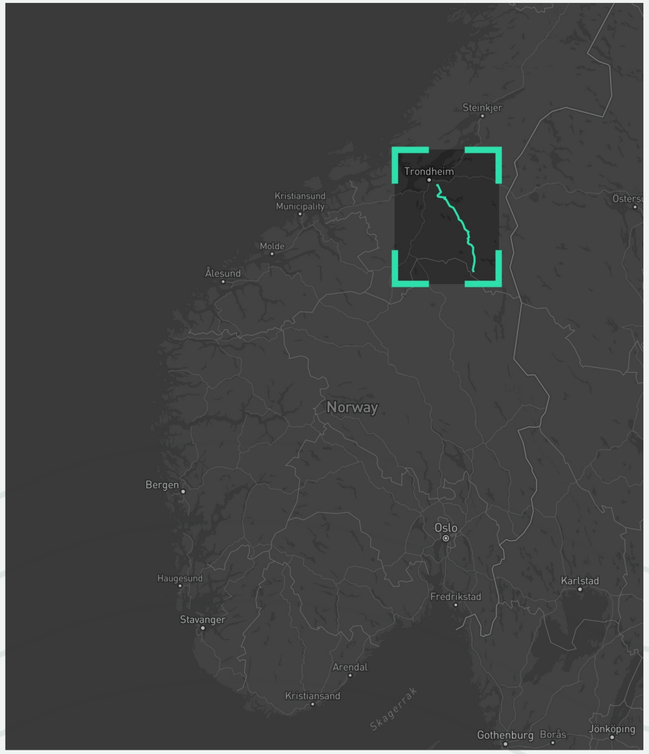
Aviant

We enable autonomous logistics



The first flight was performed in February 2021



Longest unmanned drone flight over land in Scandinavia

Massachusetts Institute of Technology

Education Research Innovation Admissions + Aid Campus Life More

MIT News
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Developing drones to address pandemic-related challenges in Scandinavia

After meeting in an Advanced Study Program at MIT, three Norwegian students began working together to transport biological samples using autonomous vehicles.

MIT Professional Education
June 23, 2021

PRESS INQUIRIES

Lars Erik Matsson Fagernæs, Bernhard Paus Græsdal, and Herman Øie Kolden (l-r) met in Cambridge, Massachusetts, during orientation for an MIT Professional Education program in 2019. In 2020, in response to the Covid-19 pandemic, they teamed up to improve medical supply chains in their home country of Norway and throughout Scandinavia.

Photo courtesy of MIT Professional Education.

The onset of the Covid-19 pandemic spurred an immediate need to develop new, innovative systems in supply chains and infrastructure. And for three Norwegian graduate students enrolled in the MIT Professional Education Advanced Study Program (ASP), spring 2020 was the moment when technology, innovation, and preparation met opportunity.

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European industry leader with strong commercial traction

Paying contracts:

Tine SA

Trøndelag, Norway

Green Flyway

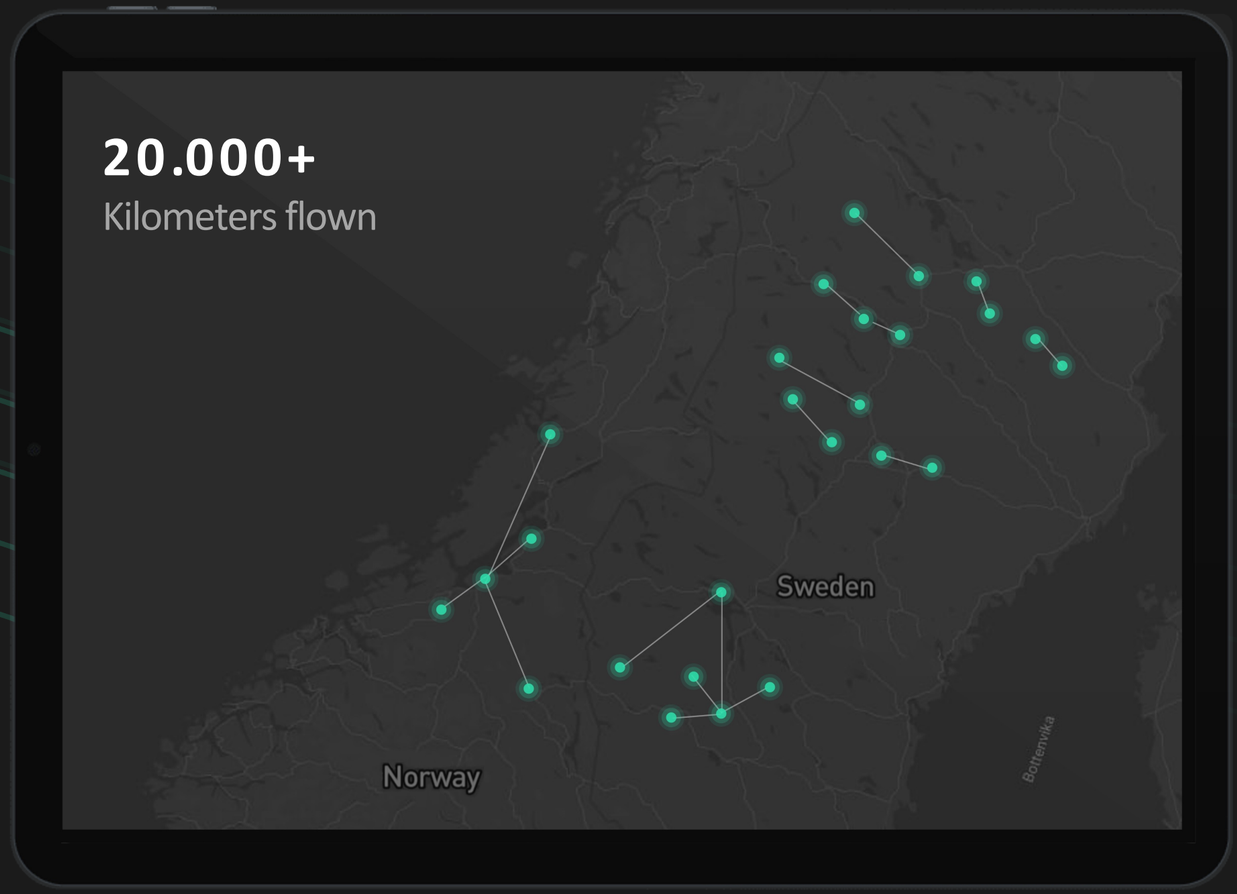
Östersund, Sweden

Region Västerbotten

Västerbotten, Sweden

St.Olavs Hospital

Trøndelag, Norway



The solution

Medical transportation by air-drone can solve multiple problems affiliated with the current solution

Fast

Transportation by drone is up to 5x faster than by car

Green

Electric drones reduce emissions by up to 95% compared to today’s solution

Cheaper

Without the need for human drivers, we can offer competitive prices

On-demand

Drones can fly multiple times every day and on-demand

Autonomous

Drones do not require human drivers

Centralized

Connecting rural areas to cities


Link to video of end-to-end solution

A market leader

Aviant is gathering data through their daily operations

1 000+
Flights

20 000+
KM flown

2000+
KG CO2 saved

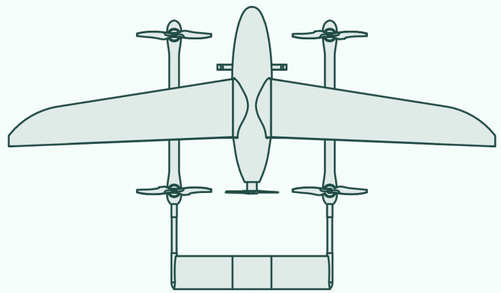
160 km
Longest flight

8
Drones available

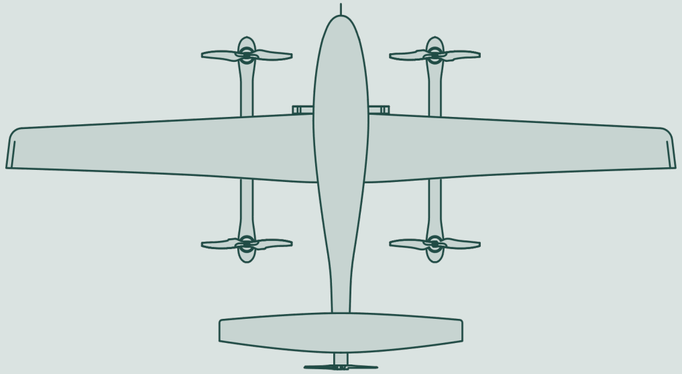
8
Contracts signed

Our drones

Type:	VTOL
Weight:	7.5 KG
Wingspan:	2.6 m
Max range:	135 KM
Max load:	2.5 KG
Speed:	95 KM/H

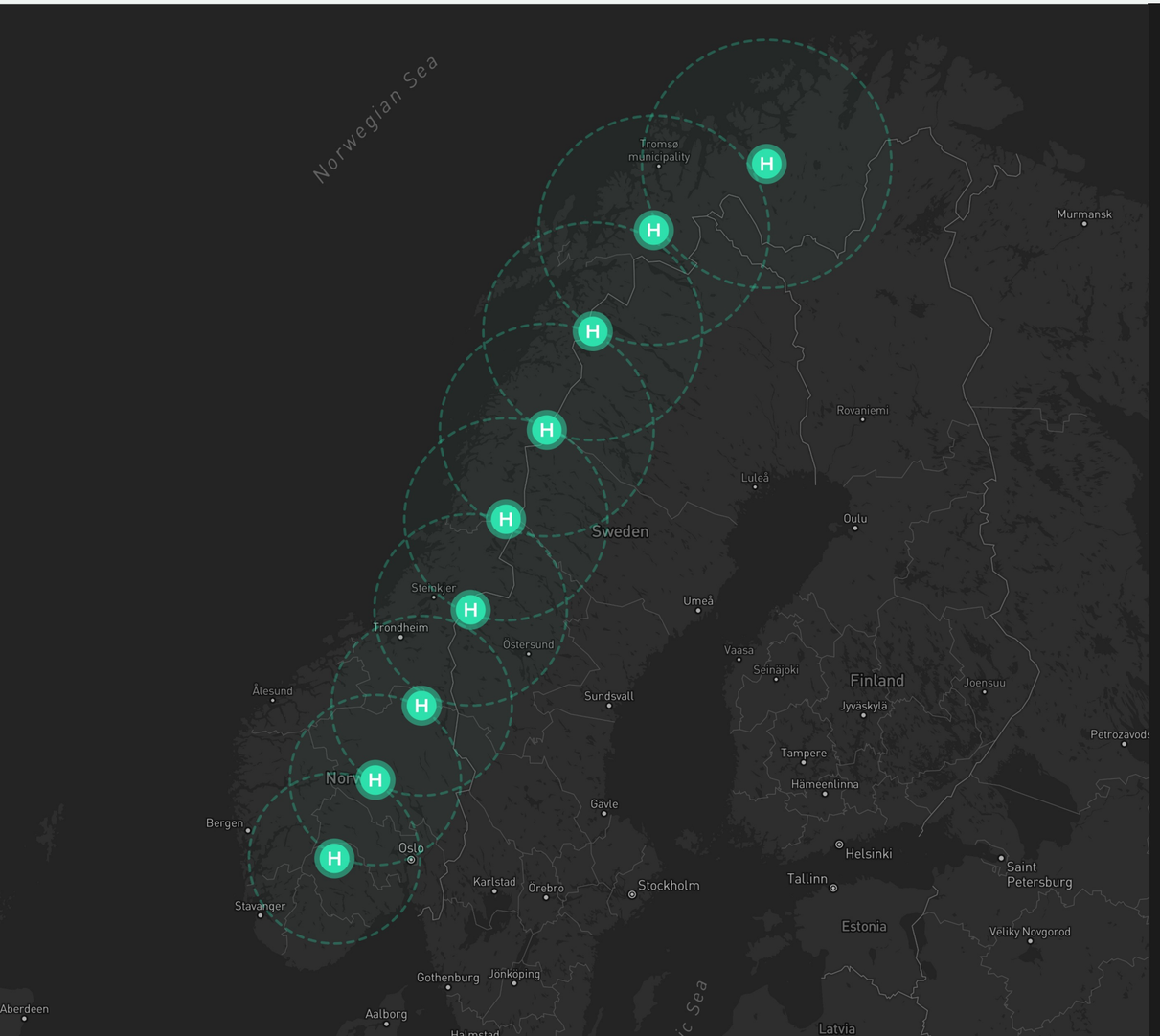


Type:	WHALE
Weight:	13 KG
Wingspan:	3.6 m
Max range:	240 KM
Max load:	5 KG
Speed:	100 KM/H



Click to open video online

Future autonomous transportation network

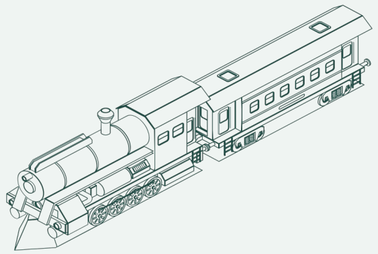


Autonomous Landing Platform Grid:

With our drones, which have a range of 120 KM, we can fly autonomously from the North Cape to Kristiansand (and cover all of Norway).

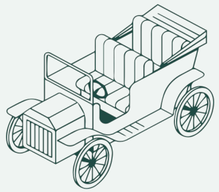
Why now?

Aviant is certified by the new EU regulations which allow for autonomous drone delivery



1804

World’s first railway

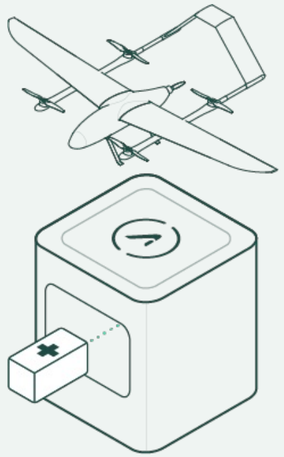


1903

Ford commercialized the car

1970

Commercial flights



2021

USA and EU allow delivery of goods with drones

- Introduction of new modes of transportation has presented huge economic opportunities
- With regulations allowing drone delivery in 2021 there will be a race for this new market

Team

Started at MIT. Grown from 3 to 17 employees in less than 8 months

Lars Erik Fagernæs
Founder, CEO

MIT
Palantir
LOCKHEED MARTIN

Herman Kolden
Founder, COO

MIT
SINTEF
FFI Forsvarets forskningsinstitutt
Norwegian Defence Research Establishment

Torjus Bakkene
VP Engineering

ascend
FFI Forsvarets forskningsinstitutt
Norwegian Defence Research Establishment
OCEANEERING

Michael Vu
VP Business

Capgemini invent
NHH
NORWEGIAN SCHOOL OF ECONOMICS
Tryg

Max Hofer
Investor, advisor

McKinsey & Company
BainCapital
ALTOR

Lars Erik Fagernæs

Founder, CEO

larserik@aviant.no
+47 466 43 025