



Despite significant progress over the past several decades, health systems and outcomes in sub-Saharan Africa remain among the worst-performing in the world.

A significant majority of deaths in sub-Saharan Africa continue to result from communicable diseases and poor child and maternal health, reflecting a perpetual lack of resources and access to health services across the region.

Healthcare in
remote areas
is a serious
problem.



1 billion people
globally lack
access to
all-weather
roads.



50% of
medical costs
exist in the last
3 miles.



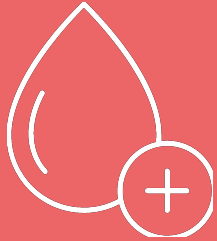
Supply chain networks are costly to maintain.

It is challenging to support the varied health needs from delivery of medical supplies to lab samples.



Photo: Julien Harneis

The result is many regions still **lack the health support they need** for communicable diseases, non-communicable diseases, maternal and child health, and emergency care.



Blood Transport

A woman needs a blood transfusion because of bleeding during childbirth. This requires immediate delivery of blood product, which current supply networks are not equipped to support.

Hemorrhaging during childbirth is the #1 cause of female mortality in sub-Saharan Africa.



Medications

A child has been bitten by a snake in a remote area and needs anti-venom delivered. There are a number of medications needed regularly for disease management in remote areas for HIV, malaria and tuberculosis. Childhood vaccines are needed.



Lab Samples

Lab samples are needed to support treatment for many conditions including HIV and tuberculosis.

How do we solve this problem?

An entirely new approach to overcome these barriers is needed to improve and democratize healthcare in the future.

INTRODUCING

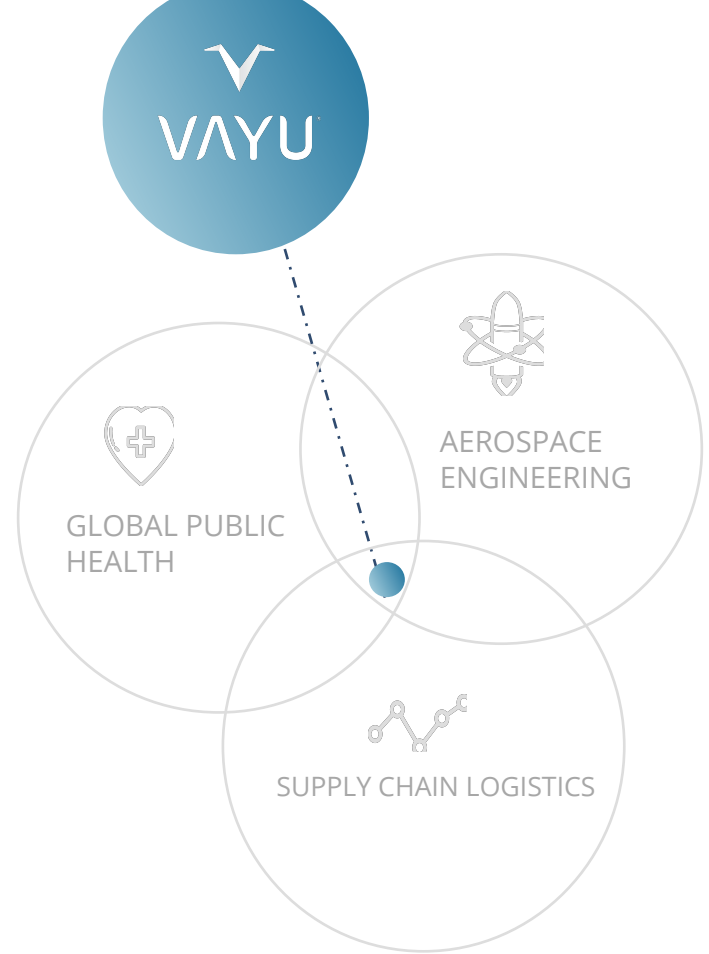


VAYU[®]



The Vayu UAV is an affordable long range autonomous aircraft that can support the transport of medical supplies and does not require launchers or runways.

Our core value
is at the
intersection of
this problem.



How are we different from other drone solutions?

We have spent years in this market building relationships with partners to understand the problem.

We understand the importance of collaboration between NGO's, government organizations and the private sector.



Photo: Armev
Africa

How are we different from
other drone solutions?

800km Range.

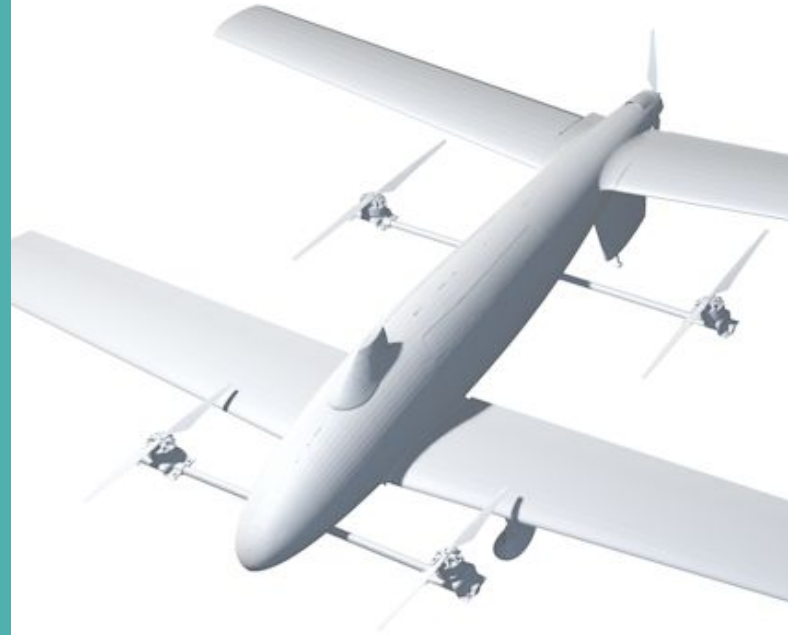
This is 10X range and covers 100x the
area of market-leading quadcopters.



How are we different from other drone solutions?

Programmed
vertical takeoff and
landing for
hard-to-reach
areas.

Vayu's drone detects clearance for landing, ensuring safety.



How do we work?

Our approach ensures safety and provides individuals with the autonomous control of the drones they need.

Call or text a partner
in the village to
determine current
needs and coordinate
sending of a drone.



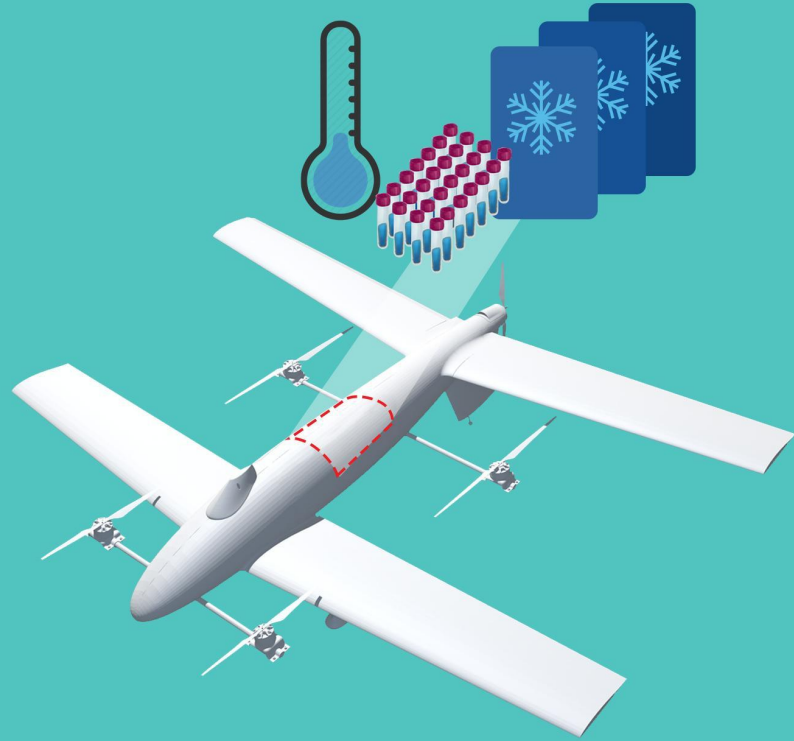
Load Vayu drone with up to **5kg** of supplies.

We support the transport of a range of supplies for health needs at one time including:

- blood
- vaccines
- anti-venom
- lab samples
- oxytocin

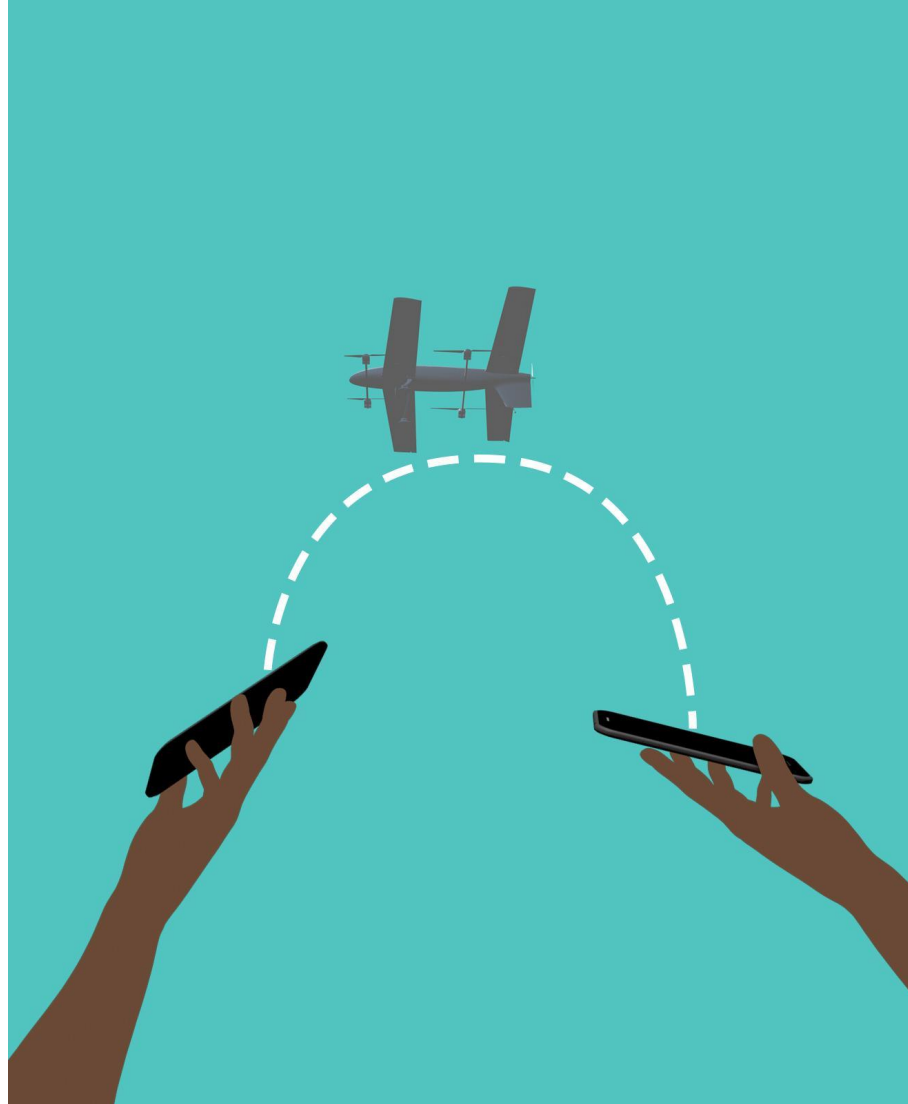


The payload bay container can keep critical healthcare supplies cool, between 2 and 6 degrees Celsius.



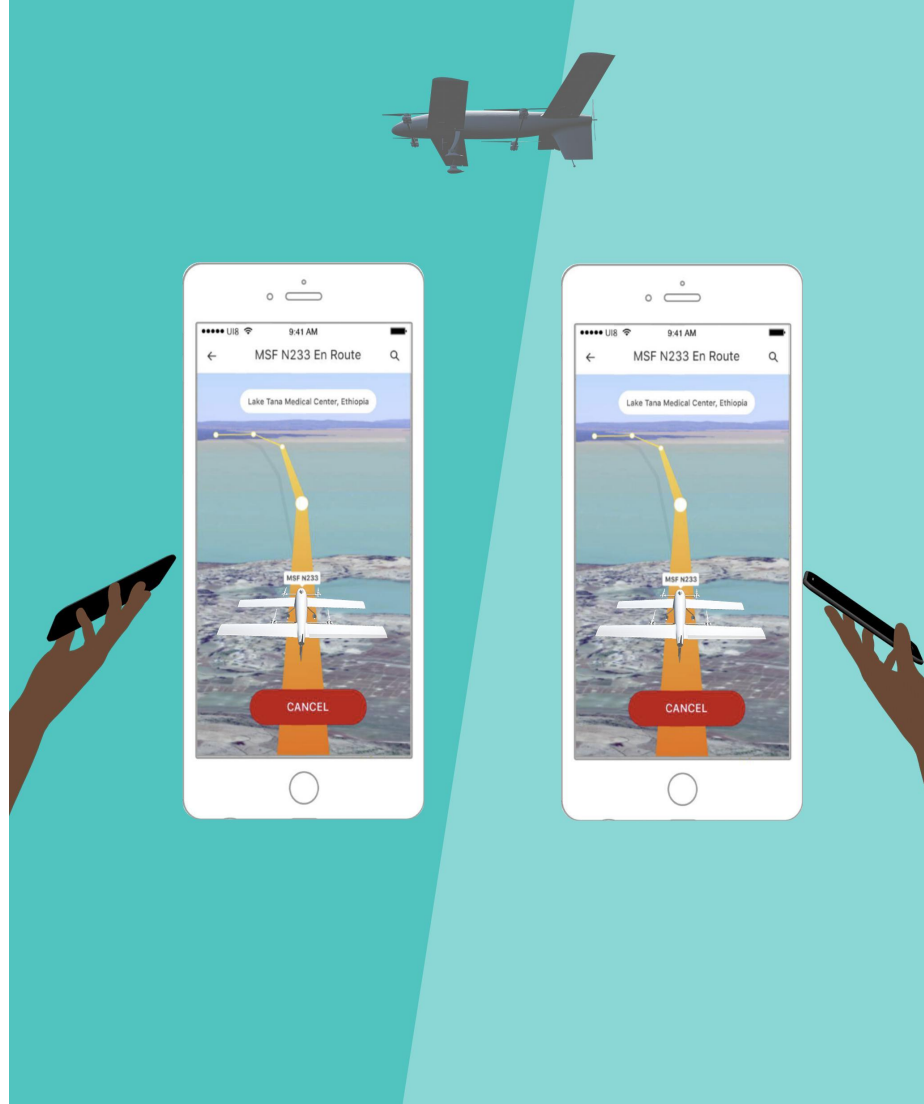
Send the drone.
You are in control.

No piloting necessary.
Simply tap a location on
the map and tell the
drone where to deliver
it.



Automatic flight planning.


Vayu will map a route for delivery integrating the following data:
maps, terrain, weather, flight restrictions, and obstacles to create short economical routes that are then sent to your Vayu UAV.



Communicate for successful delivery.

Our sensors make sure that the drones land in a clear area. You communicate with your partner about delivery and initiate return of the drone when ready.





Our vision is for Vayu to transform the delivery of medical supplies from a long, expensive process to a simple, fast, cost-effective service.

Vayu alone has built a network of partnerships over years with the relationships necessary in the government, NGO, and aid communities.

Our relationships provide us with critical access to air space.



Simplifying supply chain management.

Our services have the flexibility to provide cost-effective delivery of everything from lab samples to vaccines. Community health workers have the transport service they need to manage their community's daily health supply needs.





We have an opportunity to change rural healthcare, bringing medicines and lab test results to remote areas for higher quality care at lower costs for organizations and hospitals.

Thank you.
info@vayu.us

www.vayu.us