



Turtle Island Space B.V. is participating in the  
ESA Business Incubation Centre Noordwijk



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# Turtle Island Space.

Providing practical and affordable  
educational experiences

## Industry



Thomas Kaakeh  
Founder at Terraprisma

“the lack of experience in satellite operations poses a challenge in effectively utilizing geospatial data”



Abe Bonema  
Founder at ISISPACE

While they're well-versed in theory through lectures, many struggle to apply this knowledge in real-world settings.”

## Academia



VJ Ph  
Senior engineer at S4 GmbH

there's a noticeable gap in hands-on training when it comes to satellite operations ”



Aleksander Fiuk  
Founder at Revolv Space

“poor hands-on training related to satellite operations is hindering graduates' preparedness for real-world challenges.”

## Our mission

To offer academia access to practical and affordable experiences relevant to the Space industry

## Our offering

A platform which supports students to track satellites and capture their signals. Using real hardware, students are challenged to downlink satellite signals, use them and learn.



# The Problem

1. Limited access for students to real-world/practical experiences.
2. Educators lack the time to develop and deliver these experiences.
3. Students enter the job market without the practical skills desired by employers.

# The Solution

We supply access to a unique educational and research platform that allows direct real-world experience with satellite communications.



## 1. Receives an exercise

Student is given an exercise based upon their skill level.



## 2. Target a satellite

Student selects a geostationary or polar-orbiting satellite to track.



## 3. Operates a ground station

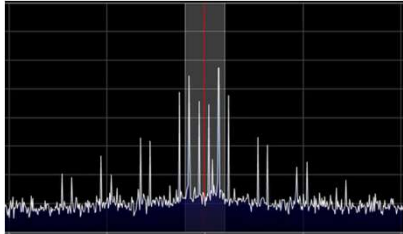
Student plans the satellite link and configures the ground station to track the satellite.



## 4. Learns from results

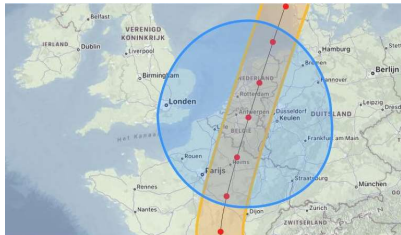
Student receives a data pack with results and post-processes the signal.

# The Exercise



## 1. Recieve a signal

The students are first tasked with receiving a signal from a GeoStationary satellite.



## 2. Track a satellite

Students use the dashboard which guides them to track a polar-orbiting weather satellite and receive a signal.



## 3. Use the data

Students are given an example of EO data to perform a climate science task.



## 4. Learn from results

Using the results and the online educational platform students learn more about their results.

# Key benefits

Easily incorporate this practical experience into an existing course. Designed to be flexible to students' schedules and skill levels while saving educators time.

## Skill Level

Educators can tailor the exercise to suit a range of student skill levels found in every group.

## Flexibility

Students can use the platform independently to complete the exercise anytime over a few weeks.

## Hirability

Industry wants graduates with more real-world/first hand experiences with satellite operations and communications

## Saving Lecturers time

Save educators time by being easily integrated into existing courses.



# Do you want a demo?

We're on the lookout for launch customers for the Spring Semester of 2024.

Reach out to us at [b.treacy@turtleislandspace.com](mailto:b.treacy@turtleislandspace.com).  
**Let's Discuss.**

