

TRANSFORMING GLOBAL COMMUNICATIONS FOR THE OIL & GAS INDUSTRY



"Combining existing technology in a novel way to solve a very big challenge"

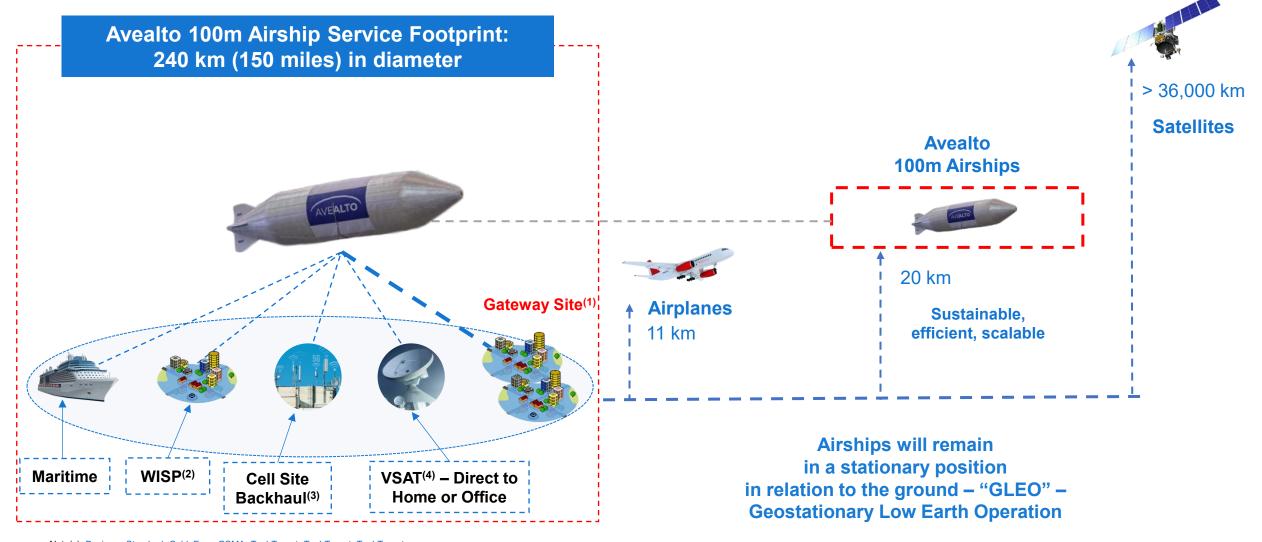


High Altitude Wireless Infrastructure Platform

- Lower Risk of Operational Failure Than Telecom Satellites
- Lower Cost & Higher Quality than LEO, MEO or GEO Satellites
- Exceptionally High Operating Margins
- Low Capital Cost to Begin Services and Rapid Return of Capital

"Fibre-in-the-Sky" Airships - Higher Quality Connection Than Satellites And At A Lower Cost





Note(s): <u>Business Standard</u>, <u>CableFree</u>, <u>GSMA</u>, <u>TechTarget</u>, <u>TechTarget</u>, <u>TechTarget</u>

⁽¹⁾ A gateway site (also referred to as a teleport or hub) is a ground station that transmits data to/from the satellite to the local area network. It houses the antennas and equipment that convert the Radio Frequency (RF) signal to an Internet Protocol (IP) signal for terrestrial connectivity; (2) A wireless Internet service provider (WISP) is an Internet service provider (ISP) that allows subscribers to connect to a server at designated hot spots (access points) using a wireless connection. This type of ISP offers broadband service and allows subscriber computers, called stations, to access the Internet and the Web from anywhere within the zone of coverage provided by the server antenna. This is usually a region with a radius of several kilometres; (3) The most common network type in which backhaul is implemented is a mobile network. A backhaul of a mobile network also referred to as mobile backhaul connects a cell site towards the core network; (4) A very small aperture terminal (VSAT) is a small-sized earth station used to transmit/receive the data, voice, and video signals over a satellite communication network, excluding broadcast television. A VSAT ends user needs a box that interfaces between the user's computer and an outside antenna with a transceiver

COST EFFECTIVE TELECOM INFRASTRUCTURE ON DEMAND



Avealto Team – Seasoned \$ Billion Telecoms Creators





Walter Anderson Co-tounder and CEO

- 25+ years of experience creating fast-growing, successful telecommunications companies
- Founder of 2 unicorms in the telecom sector
- Pioneer of NewSpace industry Co-founder of International Space University
- Founded Esprit Telecom (UK) the first pan-European telecommunications operator, IPO'd and acquired for \$850m
- Founded Telco Communication Group, Inc., which IPO'd in 1997 and was acquired by Excel for \$1bn



Global TeleSystems Group to Buy Esprit Telecom for \$850 Million

Los Angeles Times



Excel Agrees To Buy Telco For \$1
Billion



Carlos Gardellini, Director - Payload Development

- Extensive experience in satellite design and engineering
- Ex-MicroSat Launch Systems, Hughes Aircraft



Andrew Cox, High Altitude Aviation Specialist

- 30+ years of experience in the aerospace engineering design
- Ex-Facebook



Neil Campbell, Director - Vehicle Development

- 25+ years of experience in risk and safety management
- Ex-Royal Navy



Jaime Gamell-Riera, Director – Regulatory Affairs

- 30+ years of experience in the Telecom sector
- Ex-First Pendil Group, Telefonica Atlas Telecom, GEC Siemens



Thomas A. Olson, Director - Business Development

- 30+ years of experience in Aerospace and other sectors
- Ex-Esprit Data, CMD Services

9+ Years Of R&D, Based On Only \$9.6m Capital Raised, Translating To Rapid And Efficient Commercialisation



2013

Avealto Ltd. Incorporated in

2016

 11-meter vehicle test flight in Black Rock Desert, Nevada, USA

2019

- Development of outer envelope & inner cell
- Material strength and permeability testing

2021

Initial vehicle design & R&D completed for commercial WIP vehicle

2023 & 2024

- Full-scale vehicle production process starts
- Receive CAA flight approval for the full-scale WIP vehicle
- Obtain operational approval in Indonesia
- Revenue generation starts from the 1st WIP in Indonesia

Technology Development

2015

 8-meter vehicle test flight in Black Rock Desert, Nevada. USA

2018

- Rapid Autofill System Developed
- FAA issues airworthiness certificate to 28-meter Avealto test vehicle
- 1st test flight of 28-meter vehicle completed

Product Developmen

 16-meter subscale vehicle testing

2020

Calibration of autopilot and control systems

2022

- · Preliminary design review completed
- · Four key patents filed in US & UK
- Operational approval obtained in Indonesia to begin subscale vehicle testing

Commercialisation

- First six WIP service areas in Indonesia selected
- · First customer signed in Indonesia

Development And Testing – 2013 To 2023



Avealto's Key Development and Testing Activities Over 10 Years - Only One More Hurdle Left

2013 To 2017





- Solar Panel Endurance Test
- Unpowered Vehicle Testing (Ascender 11m Vehicle)

2018 To 2021



- First Test Flight of Ascender 28m vehicle
- Subscale Vehicle Testing

2022 To 2023



Subscale Vehicle Testing in Wales – under supervision of the UK Civil Aviation Authority (CAA)

STRICTLY PRIVATE AND CONFIDENTIAL

Backed By Robust IP



20

3 KEY PATENTS GRANTED

Communications Platform

- · Airship maintains at a constant position at an altitude of 15km to 22km
- Comprises a communications payload for providing a communications relay service with a ground station within one or more of the C-band, X-band, Kuband, K band, and Ka-band

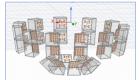


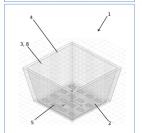
 Antenna assembly comprising a patch antenna and a deflector – to reduce sidelobe gain of the patch antenna, which projects from a plane of the patch antenna (see the Antenna Diagram images)



- Lighter-than-air Airship comprising a steering and propulsion system, and a control system
- The control system comprises sensors to monitor the position and orientation of the Airship and is configured to control the operation of the steering and propulsion system based on sensed data

Antenna Diagram for the Patent





Risk Mitigated By 100 Years Of Accumulated Experience And Well-Established Technology



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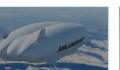




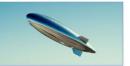




2017 Airlander 10



SCEYE – Stratospheric Telecoms





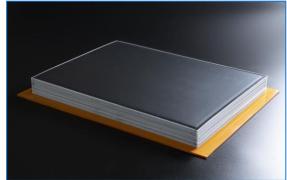
Technology upgrade to electric propulsion with solar charging allows 3 to 6 months of geostationary autonomous operations to provide "fibre-in-the-sky" telecom infrastructure services

Over 100 Years Of Airship Development - Now Electrified And Automated

Why Now? Core Components Have Significantly Advanced AVEALTO











Solar Panels (Photovoltaic Cells)

- Modern solar cells enable lower power consumption
- Lightweight and flexible with higher efficiencies
- Now 2x more efficient in the last 15 years and cost 50% less per watt

Batteries

- Batteries now have a much higher energy density
- Volumetric energy density of lithium-ion batteries increased over 8x between 2008 and 2020⁽¹⁾

Al UAV Management

- Al has transformed the ability to control and manage large fleets of autonomous vehicles
- The technology to operate Autonomous Unmanned Vehicles is now very mature.

Communications Electronics

- Higher performance, lower power electronic chips with low noise RF power amplifiers are now available off-theshelf
- Can now be used to build high-altitude transponders

Risk Mitigated By 100 Years Of Accumulated Experience And Well-Established Technology



1917 Goodyear B-2

1932Goodyear Columbus

2011 Goodyear N07-101

2017 Airlander 10

2023 SCEYE – Stratospheric Telecoms













Technology upgrade to electric propulsion with solar charging allows 3 to 6 months of geostationary autonomous operations to provide "fibre-in-the-sky" telecom infrastructure services

Over 100 Years Of Airship Development - Now Electrified And Automated

A TECHNOLOGY WHOSE TIME HAS COME



"By providing reliable, high-performance connectivity to the most remote and challenging locations on Earth, HAPS can play a pivotal role in creating a more connected and equitable **Proprietary & Confidential** world."



World Radiocommunication Conference 2023 (WRC-23)

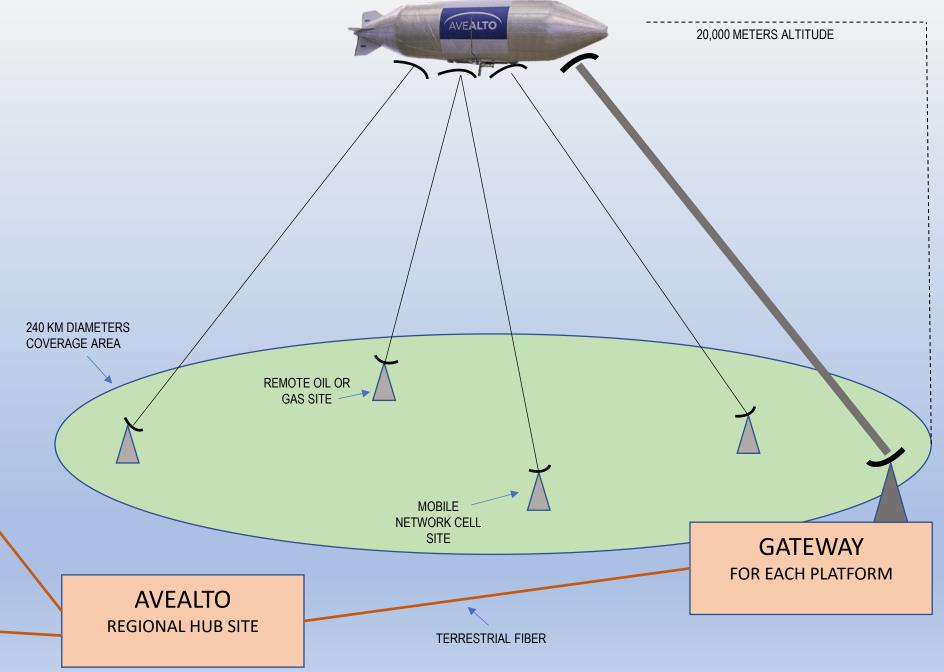
ITU World radio Conference 2023 has identified additional frequencies for High Altitude Platform (HAP) vehicles.



REMOTE SITE LINK

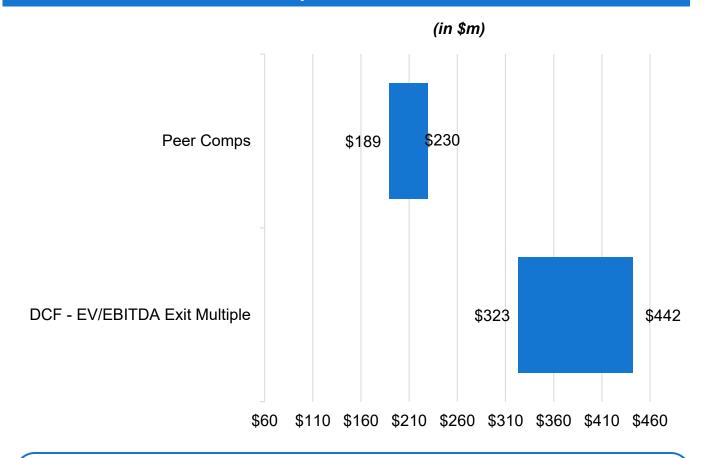
MOBILE OPERATOR SWITCHING CENTER

CONNECTION POINT TO PUBLIC INTERNET



Indicative Valuation Range

Indicative Enterprise Valuation Overview



The indicative enterprise value of Avealto would be in the range of ca **\$190m to \$230m** based on the methodologies listed above

Indicative Enterprise Value Summary

Methodology	% Weight	Avealto's Valuation
Peer Valuation		
AALTO	25%	\$203m to \$253m
SCEYE	25%	\$259m to \$270m
STARLINK	20%	\$140m to \$187m
RST SpaceMobile	15%	\$140m to \$187m
FRONTIER	15%	\$166m to \$222m
Average	100%	\$189m to \$230m
DCF Valuation		
EV/EBITDA Exit Multiple	-	\$323m to \$442m



Opening the Dawn of a New Connected World...

...a technology whose time has come...

Today

2027

Expensive and ineffective satellites



Cost-effective, low-latency Airship-connected world

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