# R&S SATELLITE INDUSTRY DAYS PART 3; THE VIEW FROM SPACE

True to its agenda and meeting all expectations, at the R&S Satellite Industry Days Part 3, so the NewSpace industry is more willing to run risks, to serve new emerging business cases.

NewSpace shall also incorporate advanced geostationary Very High Throughput Satellites, (VHTS) to provide many times the capacity and throughput of conventional satellites. This infographic shows the view of NewSpace resulting from a very productive day.

SATELLITE OPERATOR 8

**NETWORK PROVIDER** 

the satcom ecosystem?

Which benefits do you bring to

We ensure reliable 24/7 operation

What is your greatest innovation developed in the recent period?

Automatisation of Operational Data out of satellite telemetry and technical conversion of Satcom and Mobile

Not drift into a closed- system market

environment.

he Satellite operator and he business case and ntracts the satellite anufacturer to develop

New LEO and MEO constellations will create huge new markets of end users, all needing user terminals. The tracking of the moving LEO satellites at high speeds, accurate pointing by the antennas over a large angle scan and a seamless switching from one antenna to the other are only few of the challenges.

## The system integrator assemble the test instruments and matches them up so that the test suites can be run efficiently with the special

Biggest challenge for

Provide user terminals at an

Biggest challenge for

device-wise but

Standards (to open

affordable price for

the mass market

being comparable

satcom industry?

### **SYSTEM INTEGRATOR** CALIAN Which benefits do you bring to Biggest challenge for the satcom ecosystem?

satcom industry? We provide the equipment that Finding the right market potentials enables our customer to provide the satellite communication services

Biggest challenge for What is your greatest innovation your company? developed in the recent period?

Extending frequencies and bandwidths ever

in the satcom market?

Composite carbon fiber antennas and

communications at Q/V-band. World

leader in software defined systems that manages satcom payloads.

other products. Services to enable

to the end customers





leading experts contributed to describing how the next generation of space industry shall revolutionize the traditional space industry by deploying a new generation of technologies with faster development and production cycles at reduced costs. By mostly operating in low-earth orbits, shorter satellite life cycles shall be affordable. The satellites are in total less expensive,

The Satellite Manufacturer

the recent period?

Competitiveness against improving ground based providers Biggest challenge for What is your greatest innovation developed in

Which benefits do you bring

to the satcom ecosystem:

Learn from ground based providers, since full internet like connectivity operating in LEO, MEO and GEO orbits. is new for the satellite

Biggest challenge for

satcom industry?

**AIRBUS** 

providing a huge reduction in the cost per kg of launch

VHTS adapt to actual current user demands by flexible bear steering of the antennas. Flexible payloads are used t respond in this way.

Too few pure RF satcom engineers on the market

@ eutelsat

Biggest challenge for satcom industry?

if NewSpace

openness of LEO operators to talk to us how to prevent RF issues

Communication Content delivery. in the satcom market?

SATCOM AND SPACECOM **EQUIPMENT MANUFACTURER** Which benefits do you bring to Biggest challenge for satcom industry?

the satcom ecosystem? We are satisfying the increasing bandwith demands and set new waveform standards

What is your greatest innovation Biggest challenge for your company? developed in the recent period? Transform ground Making Ka-band a commodity, infrastructure into venturing into V-band and driving state- of-the-art

What is missing in the satcom market?

around DVB-S2X

a lot of waveform developments

a common standardization across all purposes



The Satcom and Spacecom equipment manufacturer supplies the processing of data and sets the technical basis for dealing with increasing bandwidths and new standrds.



**TEST SUPPLIER** 

the satcom ecosystem?

in the satcom market?

Verification of the radiation

Which benefits do you bring to

What is your greatest innovation

developed in the recent period

small distances, compact affordab

test chambers and 3GPP compliant

The test supplier