

Creating Value in new Dimensions - Relentless Innovation

AUDIO TRANSCRIPT

00:06 - 00:43

John Schmidt

We are seeing the emergence of new segments. IB calls and m urban era mobility and commercialization of space. The second one is a changing of customer expectations. The DOD expecting more and more digitization in how the product design manufactured and sustained over time. We're seeing an infusion of new technologies into the products A.I. and cyber capabilities, even extending into the metaverse.

And we're seeing the reactions of our clients in terms of their investments and mergers and acquisitions activity, really rethinking what this industry is and what it means to be a player in aerospace defense.

00:45 - 00:54

Marc Riviere

Now we have the ability to connect the physical environment and to have that communication between the two and get the best of the two worlds to create a new world.

00:56 - 01:10

Pat Weir

This is what I'd say, fascinating situation in aerospace and defense. It's because of the space where and advanced air mobility and commercial space and some of the the new business models that are being developed, the new products that are being developed for the market.

01:11 - 02:05

Olivier Sappin

There are three fundamental things that we want to do in terms of priorities. One is, as you said, sustainable innovation, making sure that the art of what we do, we can empower our engineers to check at any point of time in the life cycle what will be the impact, what will be the lifecycle assessment of their component products.

The second thing is systems. It's not only on both mechanical, it's a lot of electronics, a call in software. So the the system of system for us is fundamental. It's a new career. And last but not least, breaking the silos between modeling and simulation, giving the capacity for every single designer engineer to see their model and to see the performance design right the first time.

02:08 - 02:33

Torsten Welte

The industry is moving way faster for the companies in aerospace defense have to collaborate more and the innovation cycles are much faster. Therefore, the entire process of exchanging the data, working together, you know, establishing the digital thread and the digital twins. You have to have a mechanism to exchange data.



02:34 - 03:29

Olivier Ribet

Because when you look at what you need to be successful in a services business, in aftermarket business, you need to make sure that you know as much as you can about the thing about the planes, the easy to own or whatever that you walk around interacting with. How do you know you need to have this story where this product is coming from, what has been done with it on it by who, when, why, and all of this ability of why your product exists.

What is it made of what you need to do on it? What's coming next is requiring a deep, deep integration of all the technologies that we've just rolled in can combine the model, the 3D, the data, the operations, everything that is going to be required to put vision, the right skills, the right tools at the right time to the right set of operations.

It looks on paper pretty easy, pretty simple. But this is where the power of true data driven virtual twins is making a difference.

03:31 - 03:56

Olivier Sappin

And we offer a completely new field of innovation for a project of engineers, of manufacturers. And it's an open new possibility to realize brand new innovation,

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sustainable innovation, sustainable experience. It's very fascinating to see how far we can go using do we have to intervene?

03:57 - 04:19

Torsten Welte

It needs to be secure because of the fact that some parts of our industry is governed by regulations. But on the other side also needs to be on a on a platform where you can exchange your data very quickly. So cloud is really like the ideal space to bring everybody in, to exchange to data, to collaborate and to work on that.

04:19 - 04:55

Marco Addino

The magic word is compressed. There is no time to wait. The generation ages, the earth, many arms, and in order to provide a complete transformation that will deliver an outcome result in a very short time frame because the wave of innovation doesn't wait for that. Together with our client, the technology players versus the supplier of clients and the clients of our clients, I think that we can have this multiplying effect that that will enable this complex transformation that otherwise will require time, that will be just simply not compatible with the wave of evolution of the technology that we are seeing.