Reinvention powered by Generative AI

Listen in to leaders from Aerospace & Defense Industry on how AI and Gen AI can lead you on a journey towards reinvention.

AUDIO TRANSCRIPT

00:11 - 00:48
John Schmidt
We came here to talk to our clients about four things that we think are material and in the industry today. The first one is supply chain. The second one is around boundaries reimagined. The things that are changing the nature of our industry from new entrants to new technologies that are continuing to help our clients revolutionize and reinvent themselves.

We're also talking about manufacturing quality, a very big topic in industry these days. And number four, talent and the impact of changes in technology and the nature of work, particularly through the application of Generative AI, is having a huge impact on our industry.

00:52 - 01:14
Julio Juan Prieto
Our clients can use artificial intelligence in order to provide new services, or in order to improve the products that they provide. This means that they can use artificial intelligence and Gen AI to be more profitable and to generate more revenue. In addition to use these capabilities, these new technologies to be more efficient.

01:15 - 01:46
Patrick Vollmer
So when we take a step back and look at the development process, long term durables, let it be planes, trains, cars at the same. We see a lot of similarities in the way that products are developed. Concepts are developed, simulations are done, products are tested or deployed, and that offers a lot of opportunities to think about reinvention and cross-fertilization across the different industries of leveraging AI at the core of our work.

01:47 - 02:10
Amanda VandePol
In aerospace and defense. Our challenge over the years has been more material, and getting that to the right spot at the right time. We AI that conversation is going to change. We are going to have the material at the right time, at the right spot. With data driven insights, using Get AI models will be able to identify problems earlier in the process and be proactive instead of being reactive.

02:11 - 02:51
Eduardo Mozas
So again, Gen AI is a great solution in order to increase the other range of the people to the new process. Of course, is working in understanding, connecting with different data sources. The, main alerts that are going to happen in the supply chain, connecting with more than 8000 different suppliers, that in many cases, the OEM today is working with. So, is prioritizing, what of those components are going to impact more the final assembly line and is telling you what will be the one thing where you need to do a faster intervention and then doing the priorities. Today with the Gen AI, this this prioritization is done automatically.

02:52 - 03:35
Tobias Gessinger
It would allow you to bring quality into your product at a much earlier stage. It helps to reduce significantly the time to market. And then of course, it has also the interaction with the ability to put Gen AI on top. And that basically leads to additional improvements. And specifically related to quality.

That's something that you should not forget. And it's imminent in aerospace. It basically helps you to identify potential challenges with regards to quality. Much earlier in the process. It's just as well related to redesigning and redesigning your processes and of course, how to apply them in the real world on the shop floor, in the operations with the engineer in front of the machine developing the actual product, and this is where the strength of the Industry X comes into play.

03:36 - 04:13
Craig Gottlieb
And the opportunity for people is first, if I'm operating in an area where our generative AI is providing augmentation, I have the opportunity to build more analytical skills, more depth in the area that I'm working so that I'm able to better interpret what I'm getting out of the AI and, frankly, deliver better business results to my company in areas where there's greater automation. It frees me potentially to do tasks that are augmented, but also and this is an important thing. We see that generative AI is creating the potential for new roles that don't exist today, because I'm able to combine things that were previously siloed together.

04:14 - 04:42
Marco Addino
Nowadays, the narrative is all around the interoperability and the level of probability that could be achieved. Putting together all this technology where the glue is represented by digital technologies, enabled for sure by data in the AI, and sometimes also generative AI to help our clients to deliver our their mission and to basically taking sides and transform them into action in order to enable, I would say, peacekeeping, border patrolling, and many other use cases.

04:14 - 05:21
Jean Luc Brincourt
To make sure that I will not be anymore the fashion of technology fashions, but will become a business of force. The second point is to make sure that it will be scalable, not only, you know, pilot everywhere, but, something scalable that will really transform the enterprise and the, the company. So the one is not to put the fight between people, talent and the AI, but to consider that AI would be an extension of the human people and the human talent. And, the last point is to avoid that we will have all the data in silos, but to have something that will be much more transversal.

05:22 - 05:56
Barry Chapman
Gen AI has been such a game changer. What Siemens is doing with the industrial copilot is taking manufacturing data and being able to investigate and analyze that data and be able to do it in a way that, the granularity of that data is now over there before. But now we're able to look at models, consolidate those models, pull those models back, and alter its tolerances or data in which we had the not the ability to go into the the details of that data. We can pull that data out. We can then analyze that data. And industrial Copilot will then give alternatives on that.

05:57 - 06:16
Patrick Weir
Now, responsible AI is is important. You're dealing with a lot of data sources. And you want to use that in the right way. It's a, highly regulated industry. Safety is top of mind. Quality is top of mind. And so making sure that AI is supporting the employee to get the job done in the right way is super important.

06:20 - 06:30
John Schmidt
So as you've seen, we are at a point in aerospace and defense, but we are continuing to reinvent in every dimension. It's going to be an exciting future.