Precision Technology Platform

Video transcript

High performance. Delivered.

Ricardo Chisman

Accenture Technology Managing Director

"Innovation has to be highly focused on real business problems and that's exactly what we did here."

Roberto Frossard

Associate Director – Innovation Center Lead

"One of our clients presented a very specific problem. The use of helicopters to inspect and maintain power lines."

Daniel Gonzalez

Accenture Technology Manager – Innovation

"It's a high cost operation. So the industry only manages to map and inspect about 5% of its lines."

Roberto: "It was of course expensive as well as a security hazard for personnel."

Daniel: "Clients want cost reduction and also a shorter route to results."

Roberto: "So we replaced helicopters with drones and engineers with AI."

PRECISION TECHNOLOGY PLATFORM

• Cost reduction
• Work safety
• Higher productivity

Daniel: "We assembled a multidisciplinary team with people from São Paulo and Recife. And technology personnel to develop AI algorithms. Computer vision enables a machine to interpret an image and take action accordingly. We teach an algorithm to interpret an image. We recognize patterns. Take, for instance, a pattern in a pest infestation of a crop. The algorithm understands what's going on and triggers a preprogrammed action."

Roberto: "The interesting thing was using machine learning so that the more an algorithm was used, the more precise it got. Over time, it tends to become more efficient than the engineer inspecting lines with his or her own eyes."

Daniel: "The idea is to cut costs and give clients a shorter route to results."

Ricardo: "With a highly competent team, we delivered an efficient solution to a business problem."

Roberto: "Based on a use case, we went beyond and created a platform."

Daniel: "It's a one-of-a-kind product. It's easily customized to fit the needs of diverse clients and business sectors. Drones are by no means a must. The product may be used with security cameras. Imagines a retailer who already has CCTV throughout the store. You can deploy it there, easily."

Roberto: "The system can spot suspicious behavior, such as shoplifting and looting. And also detect heat maps with no need for additional spending on software, using existing security cameras. In other words, track how people behave."

Richardo: "This is how we understand and create innovation. This project earned us the Accenture and SAP Business Solutions Group global award. This shows we have a leading team in Brazil and makes us very proud of what we have achieved."