Area X.O — Drive the Future

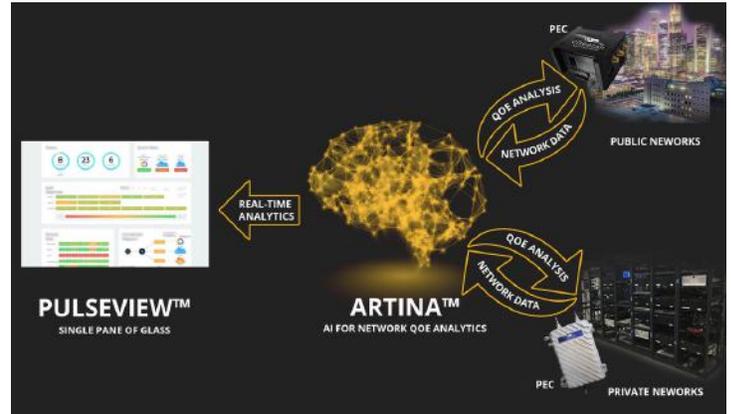## Cheetah Networks

The Story

Cheetah Networks deploys AI and machine learning to analyze and identify performance issues in complex networks. Its real-time network analytics examines the application and service layers of the network (the layers used by IoT applications and devices) and reports on user experience while also detecting problems before they impact that experience.

Currently, its customers include telecommunications companies such as Telus, and IoT living labs such as Area X.O. It is expanding into the industrial internet of things (IIoT), helping companies in mining and oil and gas that require network-error detection across complex cellular infrastructure, private LTE, and IIoT networks.

The Obstacle

Cheetah Networks needed to validate its technology across a range of network options to be certain its solution functions well on everything from wireless to 5G networks. In expanding its markets, it wanted to further validate its product efficacy.

The proper operation of such networks is essential to keep citizens of smart cities safe, and Cheetah Networks is positioning its actionable, real-time IoT network analytics (ARTINA™) engine to keep these networks out of trouble.

The Solution

Area X.O gave Cheetah a place to test its new technology.

"It's a dynamic living IoT lab and a great place to be exposed to new use cases," says Michael McCallen, founder and CEO of Cheetah Networks.

Through working there — both as a client testing its technology and as a contractor keeping Area X.O's own networks in good running order — Cheetah also received early exposure to an enterprise network in the IIoT space, which prepared it for the oil and gas and mining markets. In addition, it has helped Cheetah develop relationships with industry leaders such as Ericsson and Nokia.

The Update and the Future

Cheetah's PulseView™ solution presents real-time data gathered by ARTINA from across a network via a "single pane of glass" so network owners can see network performance at-a-glance, rapidly address issues, and predict and pre-empt issues from occurring.

Launched in 2017, Cheetah is a growing early-stage company, says McCallen, who founded it after spending most of his career in networking, including several years at Ottawa's JDS Uniphase.

Testimonial

"The Ottawa smart-cities sites have been an invaluable resource to expand, test and strengthen our IoT network analytics capabilities in a rugged, industrialized environment. Ottawa is a leader in technology innovation, and the smart cities testbed provides an important hub of innovation for local firms. It keeps Ottawa on the map internationally as the world advances toward greater digitization and automation where smart cities are a critical element of the future."

- Michael McCallen, CEO
Cheetah Networks

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