

# Modelon

Making impact, literally, the next big thing

**Hubertus Tummescheit, co-founder of Modelon and since July 2018 Chief Solutions Officer and Managing Director of US operations, explains that while Modelon (headquartered in Lund, Sweden) is still very much an SME with a headcount of just over 100, business operations are quite global, with offices as far afield as the US and Japan.**

Hubertus: "I helped found the company along with four other PhDs, all of us with somewhat different engineering backgrounds. Which is one of our core strengths. We are able to combine different disciplines under one roof. The Modelica language, which was the focus of my thesis, is a kind of common denominator you could say. I had a great belief at the time that the technology would really take off, even though I thought it might be a little too early. Given that belief I put the start-up to the other co-founders and, to cut a long story short, we went for it!"

#### **Defying Death Valley**

Hubertus and his colleagues developed an open-source library with a couple of

user-friendly extras and were fortunate that Daimler was so intrigued that Modelon was asked to support the bigger partner in a project to provide simulation models for the modern-day design of automotive airconditioning systems. "Our initial customers were Daimler, BMW, Volkswagen and Audi along with several tier-one suppliers. That was very successful, and we even won a benchmark against competing companies with new technologies. One of the keys to our success was that we had an open technology, based on the open-standard Modelica. It made a big difference. Up till then, German car manufacturers would ship their vehicles to Death Valley in the US to test the airconditioning in extreme conditions,"

