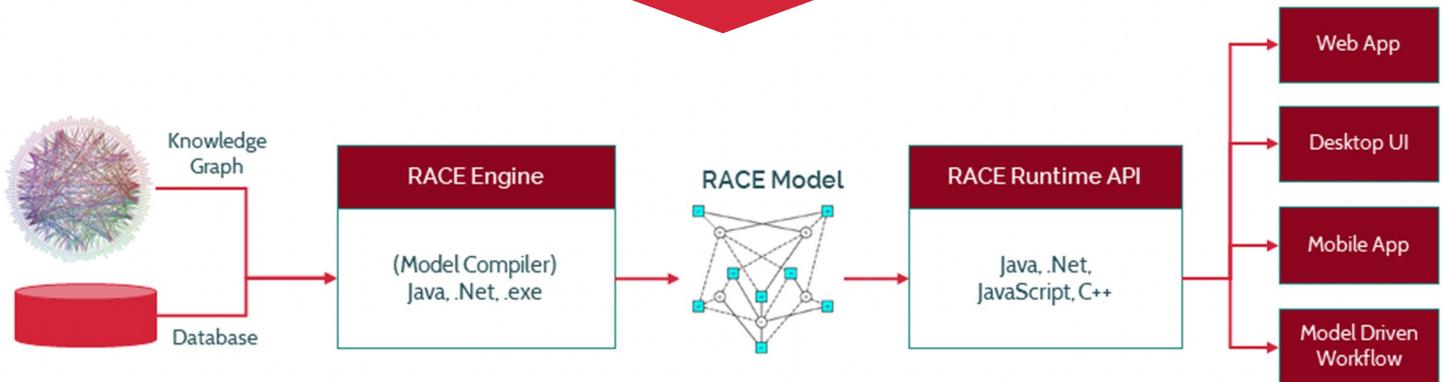


Many businesses can solve their Big Data challenges using a mix of AI, Hadoop and cloud computing, running existing statistics and analytics methods on distributed servers. Our RACE platform solves the other fundamentally different problems which require the modelling of complex systems, where even the largest clusters and best AI/ML methods cannot cut through the multi-dimensional and hyper-combinatorial complexity of the underlying data.

We use our patented RACE platform* to build efficient predictive models that can be deployed on low power devices. The RACE Engine / Runtime API has several advantages for modelling complex systems and building decision support tools:

- **SCALABLE** - modelling very large multi-dimensional systems
- **REAL-TIME** - runs efficiently on PCs, mobile/IoT devices and embedded control/sensor systems
- **COMPLETE** - including all constraints in all dimensions to ensure logical consistency
- **COMPACT** - complete, yet compact representations of complex systems
- **FLEXIBLE** - can be used stand-alone or as a component in larger software/web applications

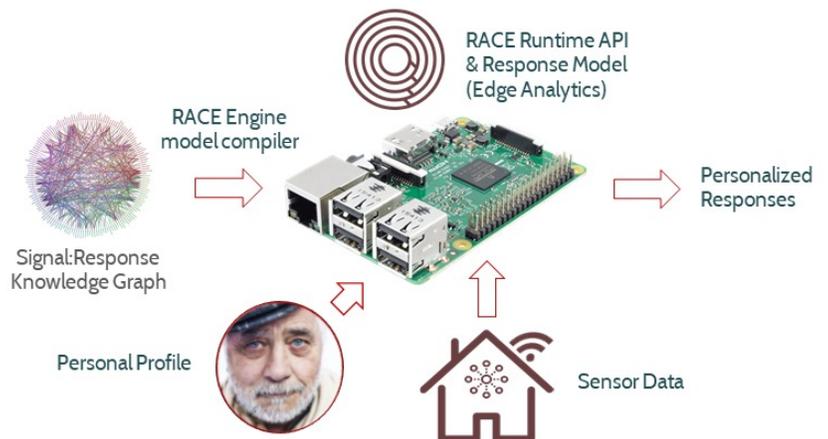
Our RACE constraint engine technology has been used for over 15 years by major players in safety critical industries such as nuclear power plant safety systems, railroad planning, electronics and product design / configuration.



Process of compiling & validating source data and external constraints describing a domain into a RACE Model to drive complex decision support

RACE technology can be used to build a range of solutions for precision medicine including:

- fully personalized digital health apps
- personalized dietary advice systems
- clinical decision support systems
- smart IoT solutions (as shown right) with powerful edge analytics
- optimized AI / Machine Learning training



* RowAnalytics' patented Array-based Logic technology (US 6,633,863 / EU 1,062,603 and patents pending)

