

Data Science driven Meta Modeling Solution for CAE to accelerate design process for new vehicle design and development while substantially reducing the efforts and compute costs for large US auto manufacturer.



design parameters

Optimized responses

Key Benefits & Features

- An estimated 30% savings in design cycle time, effort and minimal storage requirements
- Reduction in wasted cycles in high compute costs of traditional CAE
- Sample size reduction for RSM model
- ML integrated in simple to use work flow
- Complex responses for non-linear design paces with higher accuracy

Intuceo Managed Analytics Solution for Automotive R&D

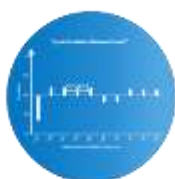
- CMM for CAE (NVH, CRASH, CFD, AERO, Etc.)
- Adaptive, incremental and subspace sampling for Design space covered with fewer samples
- Non-linear response predictions with higher accuracy
- Ability to handle high dimensions involved in certain responses
- Goal seeking optimization algorithms to derive top design combinations
- Qualitative information for decision making
- Ability to store and use gathered intelligence



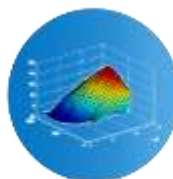
The **Intuceo Data Science Driven CAE Platform** utilizes proprietary Data Engineering, Predictive Analytics, and Visualization solutions to solve complex Business Challenges



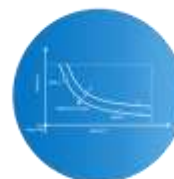
Sampling



Insight Explorer



Surrogate Modeling



Optimization



Sensitive Analyzer