ALTAIR

Altair Digital Twin Solutions (DT)

Product Brief

+ Combination of simulation, HPC, AI and IoT solutions to create digital twin at any stage of the product lifecycle – from concept through in-service.
    + **"as-specified" twins** – To analyze system requirements, development, validation, real-world performance prediction, streamlined mechatronic
    product development
    + **"as-built" twins** – To evaluate integrated software, processors and hardware under realistic conditions
    + **"as-sustained" twins** – To enable real-time predictive maintenance of manufactured products in service

Altair Differentiators

+ Open, vendor-agnostic digital twin solution that enables interoperability between different tools/platforms
+ End-to-end, holistic solutions and digital twin consulting team to help accelerate digital twin adoption
+ Platform accessible through a single unit-based license model giving full access to all technologies within the tool chain
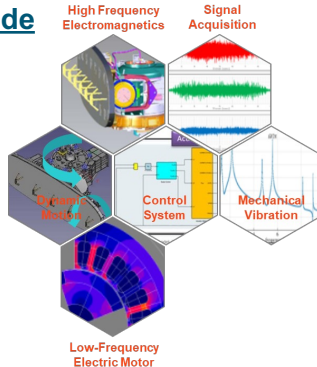
| Handling Complexity | Facilitating Teamwork | Managing Costs |

DoD/Federal/Industry Customers Include

+ Aerospace Defense Prime contractors
+ European Aerospace Defense Prime contractors

High Frequency Electromagnetics

Signal Acquisition

Control System

Mechanical Vibration

Low-Frequency Electric Motor

DoD Problems Solved

+ Reduce physical prototyping time and costs
+ Reduce risk of failure in the field
+ Less maintenance cost and time
+ Energy efficient mission readiness

Develop
Physics Driven

Connect

Operate
Data Driven