

# Engineering Analytics for Weight Optimization

Envision empowers engineering and management teams to make better decisions faster by managing the entire Weight & Balance process in an open architecture. Envision is a highly configurable tool to visualize, analyze and predict Weight & Balance at any point in time during the entire product life cycle, and streamline time consuming repetitive tasks associated with data consolidation.

Envision provides qualified workforce with advanced analytics to support capacity prediction and risk management.

Envision enable you to deal with standard and regular reporting and provides an interface between PLM, ERP and early design phases.



## FEATURED APPLICATION

Altair's Weight Analytics, powered by Envision, manages the entire Weight and Balance (W&B) process empowering engineering and management teams to control and ensure W&B attributes meet program requirements.

### Customers choose Altair's Weight Analytics, powered by Envision to:

- Dramatically reduce time required to consolidate data sources by up to 80%
- Make decisions up to 50% faster and spend more time analyzing information for solution' to achieve W&B targets
- Visualize, analyze and predict risk and opportunities at any point during the Product Lifecycle
- Run what-if scenario's resulting in actionable information for key decision makers IT bottlenecks
- Track and control the maturity of the product

"With Weight Analytics powered by **Envision**, at every point during development, we can provide moment of inertia calculation as input for load computation. This previously took us 4 weeks preparation using Excel, now it takes us just 1 day."

— Kai Thraene, Head of Weight & Balance,  
Airbus Helicopters

"We chose Altair's Weight Analytics, powered by **Envision**, and implemented it on both existing and future programs, integrated into backbone applications."

— EUROCOPTER

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