

ASTON MARTIN RACING INCREASES PRODUCTION USING PTC CREO AND PTC WINDCHILL



ASTON MARTIN
RACING

Motorsport has long been a core component of Aston Martin's DNA. Aston Martin Racing is a British auto racing team established in 2004 as a partnership between automobile manufacturer Aston Martin and engineering group Prodrive.

"Using PTC Creo and PTC Windchill we completed the Aston Martin V12 Vantage GT3 programme in 12 months from start to finish. In the past it would have taken significantly longer."

PTC solutions have helped us to share files and manage data so we can focus on creating cars that win. The powerful design modeling software made PTC Creo the best choice over other available products."

Dan Sayers,
Chief Engineer



Aston Martin WEC Gulf liveried car



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Initiatives

- Produce innovative design for cars and reduce design time
- Decrease product development costs
- Reduce costly re-work
- Select CAD and PLM solution to increase production

Solution

- Simulation capabilities of PTC Creo help engineers to understand product and part performance.
- Use PTC Creo to validate movement and function of design
- Top-down design processes supported with PTC
- PTC Creo and PTC Windchill help manage processes to help reduce costly re-work

Results

- Using PTC Creo, users can select and open a specific component in seconds
- Material purchases have been streamlined
- Design team can save time, find and loading drawings 50% faster using PTC Creo and PTC Windchill
- Reduced costly mistakes throughout the design process.
- PTC Creo and PTC Windchill solutions increased production of the Aston Martin Vantage GT3 2X faster from start to finish

