

# Train seat

The H200 train seat developed at GRM Consulting for HITACHI Rail Europe using [Genesis](#) is a perfect example of a Product Design project carried out from start to finish. A timing plan was put into place, a development method was selected, a design space was then identified, optimised and finally designed into a manufacturable part with over 3000 seats produced and delivered by Quantum Seating.



Throughout the different development stages, the seat passed the injury and integrity requirements first time. A CAE approach meant a Master CAE model could be constantly redesigned and verified against simulation until conclusion. The final design was a fully costed production ready design developed using experience gained in previous development work.

## Project Management

GRM's project management team generate timing plans to track and guide projects from start to finish, including follow up after project completion. Throughout the project, key dates for events such as liaison with suppliers, lead times and design duration are recorded

## A Complete Approach to Design

A visionary approach at GRM means that design for manufacture is a key strength. An experienced team with an understanding of production environments, joining methods and trim fitting has been perfected over numerous projects including Train Seats. This means that no further adjustments would be required to take the design from final stages to make it feasible to manufacture.

