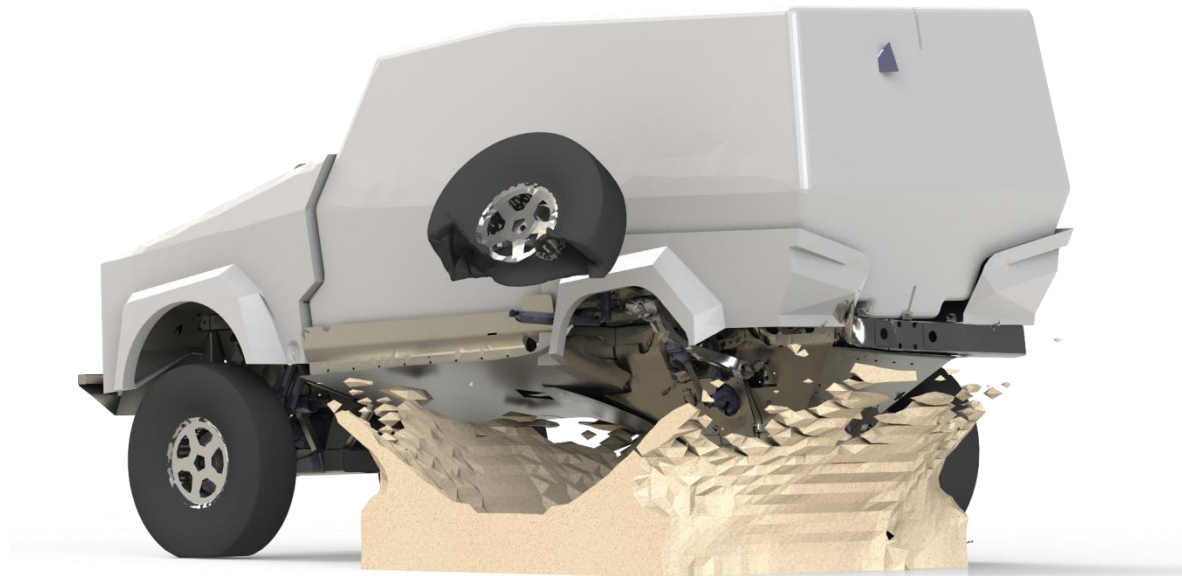


## GRM Engineers Week 2015

GRM Consulting are world leaders in the application of advanced analysis and optimisation techniques for product design and development. With the techniques to meet the needs of modern engineering design, GRM work with major OEMs and suppliers in many industries. Through the accurate simulation of many real life scenarios, GRM has been able to significantly reduce the development costs our customers face. One such example of this is the accurate simulation of mine blast events, enabling the virtual testing of many design iterations before committing to the extremely high cost of physical testing of a prototype vehicle.

More information about Advanced Simulation can be found on our website at the link [Advanced Simulation](#)

### Advanced Simulation helping the Military



A mine blast event requires the charge, soil, air and vehicle structure to be modelled in detail. Such models present a number of technical challenges to achieving accurate, predictive simulation results. Through supporting the development of defence vehicles for AEP55 STANAG requirements for more than 6 years, GRM have refined their predictive simulation techniques and are able to provide a comprehensive development service to customers in the defence industry. Support ranges from full vehicle development to simulation support of sub-assemblies such as seats and cab units.

#### MADR – Military Accident Data Recorder

One such project supported by GRM was the development of a military accident data recorder, undertaken in partnership with the leading Motorsport Company, Cosworth. The project utilised GRM blast prediction simulation to understand the data-logging requirements for military events in-theatre, enabling Cosworth to reliably engineer a data logger for military vehicles. Further information on this project can be viewed [here](#).

For further information contact GRM at [info@grm-consulting.co.uk](mailto:info@grm-consulting.co.uk).