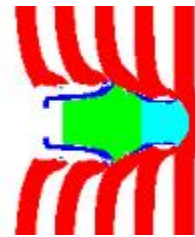


## Customer Stories: Cranfield University – UK

Cranfield University at the College of Management and Technology within the Defence Academy of the United Kingdom, formerly the Royal Military College of Science (RMCS), educates the armed forces in defence related technology. A study and understanding of weapons effects is an important aspect of both teaching and research. Numerical simulations help to provide an insight into these highly dynamic phenomena and are complementary to experimental studies and demonstrations.

AUTODYN has been used at RMCS for over 15 years in order to enhance student understanding of numerical analysis techniques and for a range of applications which include:

- Effects of small arms bullets on existing and prospective armour systems
- Loading on vehicles caused by mines and analyses of the subsequent vehicle response
- Modeling the dynamic response of armour and projectile materials
- Explosively formed projectile and shaped charge formation



### Testimonial

*"We use AUTODYN to introduce students to the simulation of highly dynamic events such as blast and ballistic weapons effects. The user-friendly nature of AUTODYN enables our students, who usually have no previous experience of such computer codes, to conduct useful studies within a short time – the learning curve is very rapid."*

Dr M J Iremonger – Director of Research, Engineering Systems Department, Cranfield University