

IDT Consultants Europe

IDT Consultants Europe is a protective engineering consultancy serving our clients operating in the security and defence sector.

Through our network of offices on three continents we are proud to employ leading experts of which several have distinguished themselves through successful research careers and include some of the world's most highly regarded experts in the protection of buildings, structures and facilities against blast, ballistic impact, shock loads, and other damaging effects caused by terrorist attacks, accidents or natural disasters.

We provide a host of specialist services within protective design, risk assessment, advanced structural and material analysis, finite element analysis, blast and impact analysis.

ANALYSIS AND DESIGN OF STRUCTURES TO PROTECT PEOPLE BUILDINGS AND EQUIPMENT AGAINST BLAST AND IMPACT

Our Expertise

Protective structures:

Buildings, shelters, embassies, bridges, tunnels and industrial facilities

Vehicle protection:

Blast and ballistic protection, protective design and analysis, test and code validation

Blast and Impact analysis:

Ram, jackhammer, blowtorch, gas, fuel and dust explosions, blast and ballistic impact, ground shock, IED, EFP, HE/FRAG, shape charge and anti-tank mine

Protective materials:

Concrete and High Performance Concrete (CRC, HPC, FDSP), hardened and laminated glass, armour steel, ceramics and transparent armour, composites and polymers

Modelling:

Finite Element Analysis (FEA), analytical simulation, computational fluid dynamics (CFD)

Research & Development:

Internationally recognized experts and researchers, state of the art in-house knowledge, development of protective systems for civilian and military use