

Company introduction

TenCate Advanced Armour



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Partnership principle

Company introduction



- TenCate Advanced Armour provides design, testing, qualification, and manufacturing of lightweight composite armor solutions for vehicles, ships, aircraft and personnel to demanding OEM customers
- TenCate Advanced Armour operates as a strategic partner, developing solutions to cover future protection scopes and engaging in supporting our customers' strategies

TenCate Advanced Armour at a glance

Company introduction

- 20+ years experience in survivability solutions
- 15+ years experience in complex international defence programmes
- 4000+ different ballistic solutions developed
- 25.000+ vehicles protected
- 26.000+ m² factory floorspace
- ≈450 employees globally
- Global customer base
- Manufacturing in France, Denmark, and USA
- Sales offices in Singapore and UK
- Headquarters in Almelo, the Netherlands



Why TenCate Advanced Armour

Company introduction

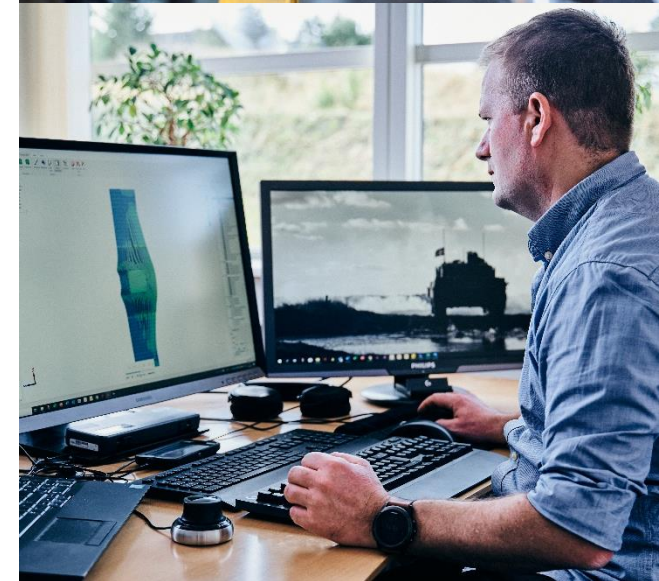


- Capabilities in simulation, survivability analysis, engineering, and integration
- Lightest solutions in the market against higher level threats
- Extensive portfolio of tested and approved ballistic solutions
- High customer satisfaction with product quality, delivery reliability, and documentation
- Experienced programme management and sales staff
- High manufacturing capacity for complex international programmes

TenCate Technical Center

Company introduction

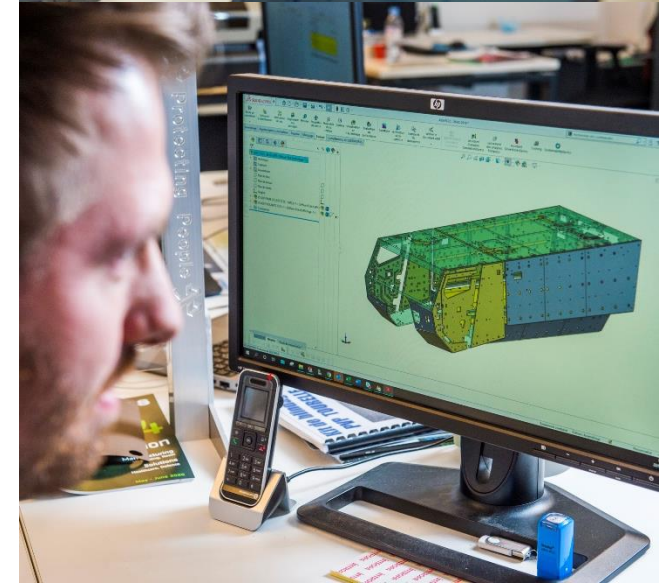
- TenCate Technical Center (TTC) is the R&D hub of TenCate Advanced Armour
- TTC operates independently within TenCate Advanced Armour to develop new survivability solutions, certify new materials, and develop new manufacturing methods
- New survivability solutions are developed using simulation, engineering, and empirical testing
- TTC also undertakes ballistic and environmental testing of solutions to ensure they comply with customer and end user requirements. All certifying tests are conducted with independent test institutes to verify their ballistic viability
- TTC compiles a portfolio of 4.000+ certified ballistic solutions ranging from NIJ level IIA up to NATO STANAG 4569 level 5 and 6 as well as numerous anti-blast solutions



Engineering & programme management

Company introduction

- TenCate Advanced Armour holds a seasoned and experienced engineering and programme management staff
- Senior programme managers operate as experts in their specific field and can competently advise on process and survivability related issues
- Each particular project will be owned by a relevant PM and his role is to provide you with the best possible solution given your specifications and requirements
- TenCate Advanced Armour can support OEMs by managing or advising on survivability engineering and armour integration in platforms
- The programme management capability also extends to comprehensive documentation and certification for all aspects of the survivability solutions



Manufacturing

Company introduction



- TenCate Advanced Armour operates a global network of manufacturing sites across France, Denmark, and USA
- 16.100 m² of factory floorspace available for armour manufacturing across Europe
- All sites have extensive experience in working with and combining fiber, ceramics, and metallics for survivability applications
- Available production equipment includes presses, autoclaves, & water jet cutters
- Continuous effort on optimising production flow and automating processes
- High level of coordination between manufacturing sites

TenCate Advanced Armour Danmark A/S

Company introduction

- ISO9001:2015 and ISO14001:2015 certified site.
- Key manufacturing capabilities in vehicle protection systems based on ceramic and composite solutions.
- High level of security for physical and digital assets.
- Updated and modern machinery across all processes with a high level of automation.
- Newly built coating and painting facility to optimise internal process flows.
- Highly educated staff across all sectors with a high level of seniority for all departments.



TenCate Advanced Armour S.A.S.

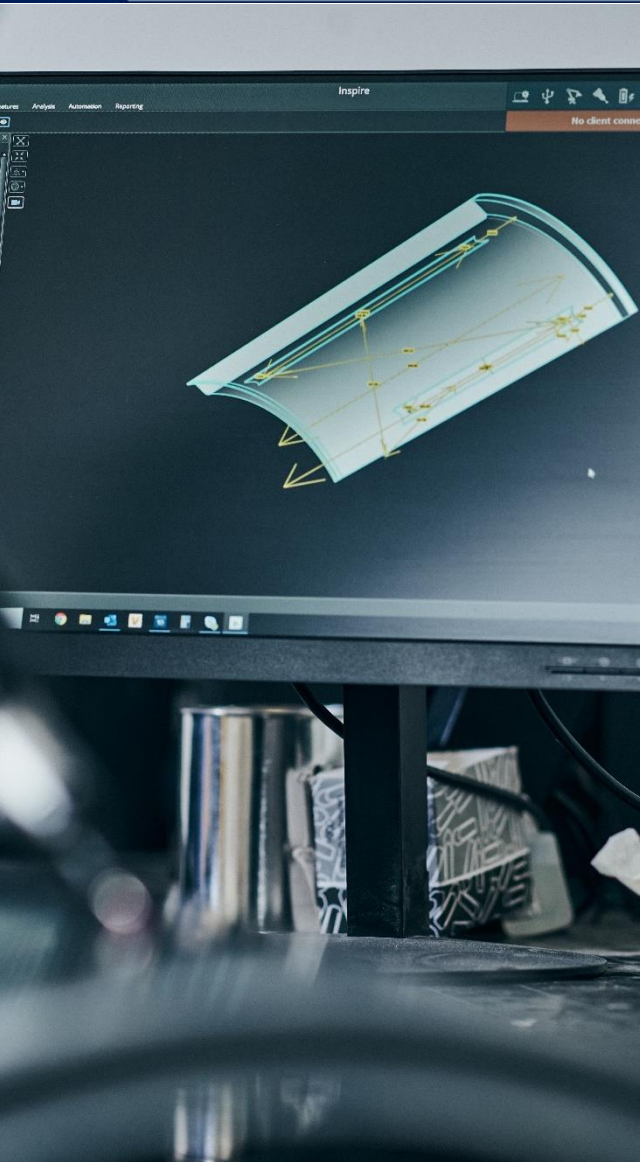
Company introduction

- ISO9001:2015, EN9100:2018, and AQAP 2110 D certified site
- Designated manufacturing site for personal protection and aerospace armour solutions. Capabilities also extend to vehicle protection systems.
- High level of security for physical and digital assets.
- Updated and modern machinery across all processes with a high level of automation.
- Internal CNC capability to manufacture molds on short notice.
- Highly educated staff across all sectors with a high level of seniority for all departments.



Quality management

Company introduction



- Global management system certified in accordance with ISO9001:2015
- TenCate Advanced Armour France manufacturing and programme management organisation certified in accordance with ISO9001:2015, EN9100:2018, and AQAP 2110 D
- TenCate Advanced Armour Denmark manufacturing and programme management organisation certified in accordance with ISO9001:2015 and ISO14001:2015
- TenCate Advanced Armour UK programme management organisation certified in accordance with ISO9001:2015
- TenCate Advanced Armor USA manufacturing and programme management organisation certified in accordance with ISO9001:2015 and AS9100:2016

Global references

Company introduction

Provider	Platform
GDELS-Mowag	Piranha 5
GDELS-Mowag	Piranha III
GDELS-Mowag	Eagle 5
NEXTER	VBMR
NEXTER	VBCI
BAE – Hägglunds	CV90
Patria	AMV
STK	AFV
FNSS	Pars

Provider	Platform
Embraer	Super Tucano
Embraer	KC390
Airbus helicopters	NH90
Airbus helicopters	H145M
Airbus helicopters	H160
BAE Systems	River Class
BAE Systems	Type 45
RDN	Absalon-class
RSN	Visby-class

Products and services

Company introduction



Land system survivability

Company introduction

- Add on armour STANAG 4569 level 5 & 6
- Add on armour STANAG 4569 level 1-4
- Spall liner
- IED and EFP solutions
- RWS and optronics solutions
- RPG solutions
- Integration & engineering services
- Simulation
- Survivability analysis



Aircraft survivability equipment

Company introduction

- Integration/engineering
- Qualification tests compliance
- Typical certified solutions
- Fixations / modularity
- Structural Armour
- 3D armour panels
- Seat Armour
- Transparent Armour



Naval survivability equipment

Company introduction

- Stand alone solutions
- Spall liner
- Weapon station kits
- Armour kits for crew and patrol boats
- Integration & engineering services
- Survivability analysis



Personal protection equipment

Company introduction

- Body armour plates in ICW configurations
- Body armour plates in SA configurations
- Handheld ballistic shields
- Shields on trolley
- Lighting, viewing, and additional protection equipment for shields
- Solutions developed to NIJ 0101.04, NIJ 0101.06, NIJ 0108.01, and VPAM 6-12. Solutions against out-of-scope threats.



Get in touch with us

Company introduction



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