

WHEN IT COMES TO PROTECTION, THERE IS NO COMPARISON



# Carat Security Group

Protection. Innovation. Worldwide.

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#### CENTIGON MEXICO (D.F.)

Bldv. Adolfo Lopez Mateos No. 1491  
Col. Alfonso XIII C.P. 01460  
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#### CENTIGON VENEZUELA

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**Carat Duchatelet**

A Carat Security Group Company



**Centigon™**

A Carat Security Group Company



**Carat Defense**

A Carat Security Group Company

## QUESTIONS TO ASK YOUR MOBILE PROTECTION PROVIDER

**1** How long have you been armoring vehicles and how many vehicles do you armor on a yearly basis? Can you offer a complete range of vehicles and armor packages to meet a variety of threat levels and environments?

**3** Do you conduct full-vehicle testing? Can you show written documentation of this? If not, how do you know your armor systems will perform successfully under a given threat scenario?

**2** Do you own and manage armor manufacturing/integration facilities? What is your ability to service and repair vehicles around the world?

**4** How do you ensure your protection system is engineered and integrated consistently with the base vehicle. How do you determine the appropriate design and development specifications for each vehicle and environment?

**5** What ballistic specifications do you use and can you provide exact details of your specifications and test criteria (hit spacing, velocity, ammunition)? Do you use up-to-date industry standards to ensure compatibility with the modern threat environment?

## INDUSTRY LEADERSHIP

### COMPANY FACTS

The Carat Security Group (CSG), headquartered in Lamballe, France, delivers the industry's most comprehensive armored mobile security solutions. Six production facilities and over 800 employees worldwide stand ready to meet the on- and off-road challenges of today, while looking to the threats of tomorrow.

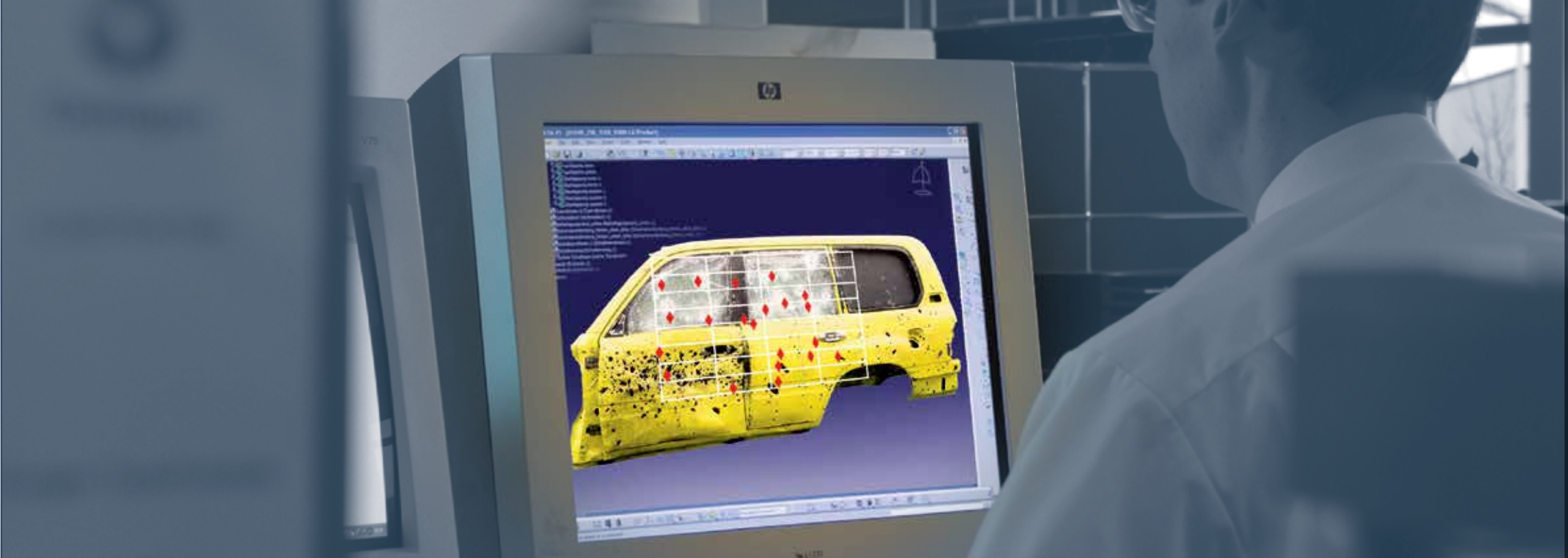
From luxury limousines to cash-in-transit vehicles (CIT) and blast-protected defense applications, Carat Security Group vehicles are built on decades of partnerships with OEMs, adversity-tested proprietary technology and unmatched on-the-ground experience. For nearly 135 years, heads of state, private individuals and major corporations have enjoyed the confidence and freedom that Carat vehicles provide.

### HERITAGE

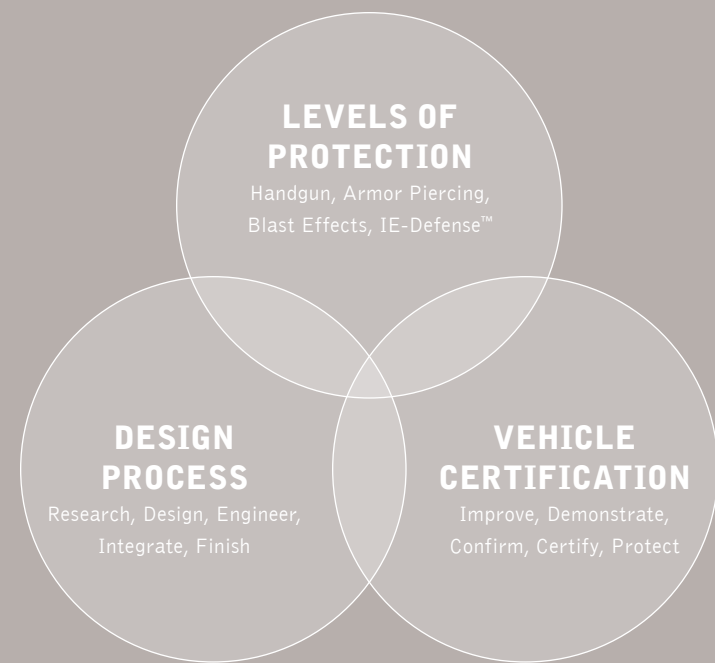
The Carat Security Group was formed in February, 2008 when the world's two premier mobile armor manufacturers, Carat Duchatelet and Centigon, merged to form the world's largest commercial armored vehicle provider, serving every continent. This combination of unique skills provides unparalleled access to technological advances and dedicated craftsmanship.

By combining the resources and reputations of Carat Duchatelet, the premier name in armored luxury, O'Gara-Hess & Eisenhardt, AMS-Germany (formerly TRASCO), and AMS-France (formerly LABBE), customers benefit from the nearly 135 year history of armoring and coachbuilding experience brought together under the Carat Security Group name.





## PROTECTION. BY DESIGN.



### LEVELS OF PROTECTION

Carat armored passenger vehicles utilize the latest ballistic standards set forth by the National Institute of Justice (NIJ 0108), European (EN 1063) and NATO (AEP-55 STANAG 4569) organizations.

#### HANDGUN PROTECTION

Lightweight vehicle armor allows these vehicles to resist multiple hits from handguns or submachine guns. Additional security modifications such as underbody grenade protection, protected fuel tanks and dual battery systems may also be incorporated.

#### ASSAULT RIFLE AND ARMOR PIERCING PROTECTION

High-level threats from assault rifles or armor-piercing munitions call for increased levels of ballistic reinforcement, as well as engineering modifications to the brake and suspension systems. On-board computer armor and other security modifications are also available.

#### BLAST PROTECTION

Capable of defeating threats from TNT, pipe bombs, multiple grenades, land mines and other blast threats, these vehicles provide a higher level of blast protection than any previous system.

### RESEARCH AND DEVELOPMENT

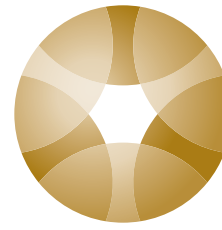
Each year, our impact teams conduct hundreds of ballistic tests in laboratories around the world to understand exactly how our solutions perform against a variety of real-world threats. With the industry's largest and most experienced design team, Carat ensures that suitable countermeasures are available for every threat environment. From in-house development of transparent armor and aramid fibers to use of titanium, boro silicates and ceramics, Carat leads the industry in materials research.

#### INDEPENDENT CERTIFICATION

Not all materials are created equal. At Carat, all ballistic components are independently certified to ensure the highest level of protection in each vehicle produced. This includes ballistic steel, transparent armor and composite aramid solutions from the most reputable vendors in the industry.

To ensure full system ballistic integrity, Carat utilizes the full-vehicle testing methodology, including certifications from independent laboratories such as QinetiQ (UK), Beschussamt Mellrichstadt (Germany), Beschussamt Ulm (Germany), and ETBS Bourges. With certifications ranging from the STANAG-2 Tactical Unimog to the VR6 certified Toyota Land Cruiser 200, Carat solutions meet the strictest of worldwide standards.





# Carat Duchatelet

A Carat Security Group Company

Offering bespoke interiors, incomparable design, engineering, craftsmanship and worldwide support, Carat Duchatelet represents the pinnacle of luxury coachbuilding and armored solutions. With 45 current heads of state limousines in operation and strong OEM relationships including the exclusive, certified Jaguar Sentinel and Land Rover Range Rover, Carat has an unparalleled ability to provide a complete suite of VIP solutions.



## PRODUCT DIVISIONS

**CLOCKWISE FROM TOP:** 1. Mercedes Benz S-Class - B6. The world standard, customized to meet your every desire, from extension length to protection level. 2. Bentley Flying Spur - B6. Well-defended, understated elegance. 3. Rolls Royce Phantom Limousine - B6. Extended, defended. An icon, refined.

4. Bentley Mulsanne Limousine - B6. Protection, refined for the discerning individual. 5. Hand-tailored Duchatelet interior. The finest in European craftsmanship, designed to your exacting standards. 6. Land Rover Range Rover - B6. OEM certified luxury protection in a capable on- and off-road platform.



# Centigon™

A Carat Security Group Company

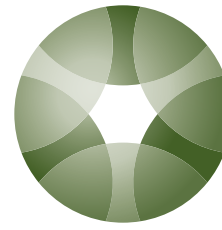
Representing armored SUVs, including the fully certified VR6 Toyota Land Cruiser 200, sedans and cash-in-transit vehicles, Centigon provides tailored solutions to meet your mobile protection needs. Leveraging extensive relationships with the top automobile manufacturers around the world, including Scania and Renault Trucks, and our world-class ballistics research & development capabilities, Centigon vehicles provide a fully integrated, seamless solution.



## PRODUCT DIVISIONS

**CLOCKWISE FROM TOP:** 1. Toyota Land Cruiser 200 - VR6. Certified protection for escort and VIP transport, available in levels up to B7. 2. Land Rover Discovery IV - B6. OEM exclusive certification. World renowned Land Rover quality and warranty.

3. Mercedes Benz Spinter CIT - B4. World-class cash carry technology. 4. Toyota Hilux - B6. High-level protection for personnel and material transport. 5. Toyota HJZ79 CIT - B4. Advanced technology mated with off-road capability for difficult cash carry terrain. 6. Special project CIT. High-capacity cash in transit vehicle



# Carat Defense

A Carat Security Group Company

Carat Defense leads the industry with integrated solutions for vehicle protection including tactical, up-armor and off-road vehicles for a full range of platforms. Our defense products include troop transport vehicles, pursuit vehicles, armored personnel carriers, command and control vehicles and riot-control trucks.



## PRODUCT DIVISIONS

**CLOCKWISE FROM TOP:** 1. Wolverine APC - B7. Superior value in adaptable armored protection for pursuit and troop transport. 2. Unimog U5000 APC - STANAG II. Reconnaissance and border patrol for rough terrains. 3. Tactical Suburban/Yukon XL - B7. The ultimate pursuit and escort vehicle with optional turret.

4. Renault Kerax Cabin. Ballistic protection for Renault cabs includes both perimeter and floor at STANAG 4569 level specifications. 5. Black Scorpion Armored Fighting Vehicle - STANAG I. Field-proven reconnaissance, pursuit and border patrol for rough terrain. 6. Big Bear water cannon vehicle. The ultimate in fast response riot control for large demonstrations.



## A STORIED HISTORY

Experience, cultivated for over 135 years. For more than a century, the companies that comprise the Carat Security Group have been known as the premier coachbuilding and armoring operations in the world. Merging the legacies of such historical brands as Sayers & Scovill, TRASCO, O'Gara, Hess & Eisenhardt, Labbé and Centigon, the Group represents the pinnacle of mobile armored solutions.

With a combined 16 decades of industry leading experience, 45 current head of state limousines on the road and an extensive list of OEM partnerships and technology sharing agreements, we have an unparalleled ability to provide you with complete commercial and defense solutions that stand the test of time.



## PRESIDENTIAL PEDIGREE

Heads of state across the globe, including a prior 40-year relationship with the U.S. Presidency, rely on Carat vehicles for the ultimate in mobile protection. Exceptional luxury, superior ballistic performance and extensive experience with the most rigorous of specifications ensure that Carat solutions meet your highest standards. We know what it means to be exclusive and to demand certainty in an uncertain world.

## OEM RELATIONSHIPS - BUILDING TRUST

Through cooperative design, development and sales agreements, Carat is the exclusive provider of OEM-certified armored vehicles for some of the most respected names in vehicle manufacture including Land Rover, Jaguar and Renault. Working closely with OEMs ensures global service and support under existing warranties via global dealer networks.

Utilizing the latest OEM design software and shared engineering resources leads to superior fit and finish while providing a high level of protection for all occupants. This unique level of trust is unmatched in the industry and is one of many reasons why Carat is the manufacturer of choice the world over.



## SAVING LIVES

Government officials, corporate executives, entertainment celebrities and families all face threats on the road. In a world where danger can come from any side, where levels of crime and terrorism are on the rise, Carat can show a proven, documented heritage of security. Because lives saved and freedom of travel are the most important things that Carat vehicles deliver.



## PROTECTION ON THE ROAD AHEAD



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### Carat Duchatelet

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## A SOLUTION FOR EVERY THREAT ENVIRONMENT

The road ahead is changing. Insurgents are becoming more sophisticated, both in weaponry and tactics. From the frozen tundra of Siberia to the mountains of Chile, from the hand gun fire of kidnap teams to insurgent-defeating advanced blast protection, no one goes further to protect your precious cargo. Bringing together the experience and battle-tested solutions required to meet the threat head-on in environments across the globe, Carat solutions exceed the need.

## WORLDWIDE SERVICE AND SUPPORT

Carat employees stand behind every vehicle the company designs and builds – from personal and government vehicles to CITs and defense solutions. Flexibility, stream-lined production and a mobile service organization mean armored passenger vehicles will be there when you need them.

Our worldwide partner network, including Land Rover, Jaguar, Renault, Peugeot and Nissan, allows us to be unmatched in the after-sales service and support we offer. Real-time problem solving means you're never more than a phone call away from a solution. For more information on how the Carat Security Group can help meet your protection needs, contact a global sales representative in your region or visit [www.caratsecurity.com](http://www.caratsecurity.com)