

BMW emergency vehicles. Contents.



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1. BMW at RETTmobil 2011.

Fulda is preparing for a big influx of visitors to RETTmobil, the leading European trade fair for emergency services and mobility, which will take place from 11 to 13 May 2011. This annual show is a magnet for emergency service workers, paramedics and firefighters, as well as for public authority, local government and trade association personnel looking to learn more about the latest developments and technology in the emergency services sector.

BMW is a regular exhibitor at RETTmobil, where it presents its new developments and displays its latest emergency vehicles, all of which are based on current BMW vehicles.

The BMW Group draws on decades of experience in developing and building emergency vehicles for both German and international fire and emergency services. The special-purpose equipment features are designed and integrated in close cooperation with specialists from the relevant authorities and institutions. The BMW Group is a committed partner of such organisations, contributing innovative technology that helps them cope with the wide range of challenges in the fields of firefighting, hazard control, emergency assistance and safety.

As well as offering technologically superior special-purpose equipment, the current BMW vehicle range for this sector also sets standards with a host of hallmark brand attributes: all BMW emergency vehicles boast outstanding efficiency, superior power and performance and uncompromising safety, along with reliability unrivalled even by other premium-segment products.

As a world-leading trade fair for the civil protection sector, RETTmobil 2011 is a public showcase for the latest technology in the fields of emergency services, technical assistance and fire and disaster control, and provides an international forum for experts from around the world to exchange their know-how.

Extensive model range caters for every contingency.

With the emergency vehicles they are displaying at RETTmobil, BMW and BMW Motorrad are presenting an up-to-the-minute window on the extensive range of models they offer in this sector. This broad selection of products and technologies caters fully for a wide range of emergency service requirements in the fire and emergency services sector.

The diversity of the vehicle range also makes it possible to respond flexibly to new requirements. All BMW emergency vehicles are available with special-purpose options which are integrated in the vehicle right from the development stage, in accordance with BMW factory standards.

BMW emergency vehicles: integrated development ensures top quality.

For more than 50 years, working with national and international public authorities, BMW has developed emergency vehicles that have always been at the cutting edge and that offer maximum safety, cost-efficiency and innovation, adapted to the relevant local regulations and requirements. Provision for the installation of special-purpose equipment on these vehicles is engineered in right from the start of the development process, and production takes place in parallel with production of regular series models. This ensures the highest standards of quality and functionality.

A particularly good example is the integration of the special signal system into the BMW iDrive control system already used on regular BMW production models. That means this warning system can be operated intuitively using iDrive, just like the navigation system and other comfort functions. It is controlled using the Control Display in the instrument panel, the Controller and the specially configured direct selection buttons on the centre console.

This feature will go on show at this year's RETTmobil in a new BMW 5 Series Touring.

2. Specialists for every requirement: BMW emergency vehicles 2011.



Delivering peak performance under extreme conditions and being able to respond flexibly in complex situations is all part of the job for fire and emergency service workers. State-of-the-art emergency vehicles help crews rise to the special challenges of their high-pressure jobs. They also help to ensure that all goes smoothly by minimising the risks for both emergency services personnel and other road users. Crews face an ever-expanding range of tasks, and the BMW Group is keeping pace by increasing the diversity of its emergency vehicle range. With new models and innovative equipment, BMW and MINI offer customised mobility solutions for specialists in the fire-fighting, emergency service, technical assistance and safety fields.

At RETTmobil 2011 the BMW Group is presenting its latest emergency vehicles, designed specifically to meet the needs of fire and emergency service crews. In terms of efficiency, design, premium quality and special-purpose optional equipment tailored to the latest user requirements, they conform to the very latest state of the art.

The police vehicle of the future: an exciting project.

Since public authorities and the relevant professional organisations have long been critical of the safety offered by police vehicles, particularly in the case of vehicles used in motorway duty, BMW has taken a long, hard look at the problem and launched a new project which aims to provide solutions.

The biggest problems identified were protecting accident sites, the end of traffic queues and police officers themselves from fast-approaching rear traffic. Usually in cases where police vehicles were parked on the hard shoulder, several serious accidents have taken place on German motorways in recent years in which police officers were fatally injured and police cars written off.

A workshop involving all the relevant parties has now drawn up a list of requirements for making police cars fit for motorway duty and to moderate the risk of serious accidents involving such vehicles.

Since various regional police authorities had already had good experience with an SAV concept, all parties involved decided to supplement the BMW 5 Series Touring models already doing duty on German motorways with a BMW X3 model.

The main argument in favour of this new vehicle concept is that, as a significantly taller vehicle, the BMW X3 is more visible even a considerable distance away from the scene being attended. At the same time it also offers greater load space.

When the tailgate is closed, optimal visibility is provided by a special signal system and rear strobe lights at either side of the vehicle and on the rear roof spoiler. Further warnings for traffic approaching from behind include a reflective load compartment partition grille and large flashing lights. When the tailgate is open, a sequential LED strip with synchronised flashing LEDs is also activated. Front strobe lights situated below the BMW kidney grille and a blue windscreen strobe light make the vehicle clearly recognisable from the front as well.

New rear-extending load floor solution for emergency vehicles.

Many emergency vehicles for firefighters or paramedics feature a load floor that is extendable rearwards by approximately 75 centimetres across the entire width of the vehicle and on which storage containers for rescue and recovery equipment can be mounted.

The telescopic elements responsible for extending and retracting the load floor form a very rigid structure when retracted. The disadvantage of this rigidity is that in a crash where the emergency vehicle is hit from the rear, the telescopic elements can rupture the load compartment partition and injure passengers in the rear of the vehicle.

As a solution to this problem, engineers from BMW M GmbH have designed new telescopic elements which at specific points are weakened with a pre-determined fracture point so that they automatically collapse in a crash, which prevents them from intruding into the passenger compartment. BMW is displaying such a solution at RETTmobil 2011.

Paramedic motorcycle: compact competence for any emergency.

As well as outstanding special-purpose automobiles, BMW also supplies the emergency services with special-purpose motorcycles. Paramedics have a particularly high opinion of these motorcycles, because they can glide quickly through even the heaviest traffic to the scene of an emergency.

The big plus point of the BMW R 1200 RT, as far as emergency service applications are concerned, is a mature concept that meets even the most exacting requirements in terms of flexibility, agile handling, robust engineering and dynamic looks. Highly advanced safety features are combined with first-class refinement, long-distance ride comfort and exceptional power reserves to create a package that takes even the most extreme challenges in its stride.

Factory-fitted special-purpose equipment.

The BMW R 1200 RT motorcycle on display at RETTmobil 2011 comes with a wide range of special-purpose extras that allow it to cope with a wide range of day-to-day duties.

The logically arranged instrument panel and new-generation handlebar-mounted switches make for calmer, safer riding even in stressful situations. The optional preparation for radio equipment is compatible with both analogue and digital devices. An electrically adjustable windscreen protects the rider even in extreme weather conditions. The electronic siren controls are directly integrated in the speaker. Further optionally available features include strobe lights, a front crash bar, a fire extinguisher and an integrated public address system.

The emergency service motorcycles are all developed and produced entirely in-house by BMW Motorrad, and the equipment is configured to individual customer specifications. All the emergency services equipment, such as a siren, two-way radio or blue light, is either factory-built or factory-fitted.

BMW Motorrad supplies paramedic customers not only with an individually configured motorcycle but also with special clothing for safe and speedy riding. Special training courses are also provided, at which paramedic riders can learn how to get to a scene safely and quickly.

Striking entrance exhibit: the BMW 123d Coupé paramedic vehicle.

Two years ago, the Germany-wide TUNE IT! SAFE! safe tuning campaign, which comprises a number of well-known car tuning companies who are also members of the Association of German Car Tuners (VDAT), created the AC Schnitzer ACS1 2.3d, a highly tuned police vehicle conversion based on a BMW 123d Coupé. The ACS1 2.3d then went on tour throughout Germany as a “model” vehicle to promote the VDAT campaign. Currently this show-piece, equipped as a rapid-response paramedic vehicle, is on display at the entrance to RETTmobil 2011.



3. Proven reliability, based on experience: philosophy and tradition of BMW emergency vehicles.

The outstanding quality of BMW emergency vehicles is based on experience and innovation. Vehicles that set technological benchmarks are the best way to ensure everything goes smoothly when on a callout. Continuous development and improvement, in close cooperation with users, helps BMW emergency vehicles maintain their engineering edge – and at the same time enables emergency service workers do their demanding job to the best of their ability. BMW emergency vehicles deliver cost-efficiency, reliability, superiority and safety, whether in routine day-to-day operations or in extreme situations.

The tradition of BMW emergency vehicles goes back to the 1950s, when the BMW 501 and BMW 502 – whose appearance earned them the nickname “baroque angels” – went into service with the Munich police. With their powerful eight-cylinder engines and excellent reliability, these legendary vehicles already had all the right qualifications for the job. Since then, BMW has systematically advanced the design of its emergency vehicles, developing emergency vehicle versions of each successive model generation. Thanks to their innovative technology, all these state-of-the-art emergency vehicles are able to meet the ever-growing and ever more complex requirements of the fire, police and emergency services, as well as other authorities. At the same time, thanks to BMW EfficientDynamics technology and uncompromising premium quality standards, they are also an ideal solution for ensuring high standards of cost efficiency and outstanding value retention.

Integrated development ensures outstanding functionality and safety.

Both the vehicle and the special-purpose optional equipment offer highest standards of functionality, quality and safety. Crucially, the emergency services components are integrated right from the development stage, which ensures optimal functional integration into the vehicle. These integrated solutions are based on a dialogue between the BMW development engineers and the future users. Representatives of the fire, police and emergency services contribute their practice-based experience, and say precisely what they want a future emergency vehicle to offer.

The BMW development engineers compare these requirements with the technical specifications already offered by the standard vehicle. This expertise-sharing results in an integrated concept for the emergency vehicle equipment that meets the high BMW quality standards and at the same time conforms to the specific requirements of the relevant authority. BMW is the only provider of emergency vehicles to offer an original manufacturer quality warranty that also includes all factory-fitted optional equipment.

This dialogue-based development process ensures standards of functionality and safety that are not achievable with the retrofit approach adopted by most other manufacturers. The BMW emergency vehicle specification is included in complete-vehicle testing programmes which are the same as for the regular production vehicles. For example, the secure mounting of the signal system on the roof of the vehicle is verified in crash testing, and special heat tests check the reliable functioning of the cooling system for radio equipment installed in the load compartment.

The installation of data measuring, radio communication and signal control technology in BMW emergency vehicles is fully integrated into the regular production process. BMW is the only German manufacturer to adopt such a system. As a result, the BMW 5 Series and 3 Series emergency vehicles, including all special-purpose components, are built on the same production lines at the BMW Dingolfing and Munich plants as the model versions supplied to private customers.

**Easy and intuitive to operate:
signal system controllable via BMW iDrive.**

A particularly good example of how the special-purpose equipment is engineered into the vehicle concept right from the development stage is provided by the integration of the emergency vehicle special signal system into the BMW iDrive control system already used on regular production vehicles. As early as 2001, BMW was the world's first carmaker to unveil this system, which allows intuitive operation of multiple vehicle functions, including comfort and convenience features such as the audio system, navigation system and telecommunications functions, using a single, central Controller on the centre console and a Control Display in the instrument panel.

The system, which has been steadily enhanced over the years, can also incorporate special-purpose functions for emergency vehicles. For example, like the navigation system, the special signal system can also be operated via iDrive. Emergency service personnel can select this function using the Controller, and when the signal system has been activated, they get visual confirmation in the Control Display. Functions such as the Police Stop light, the special signal system's siren function, the additional headlamps and the front strobe lights can likewise be activated and controlled using the specially modified menu in the iDrive control system. This removes the need for the additional switches or monitors that are a typical feature of retrofitted systems.

At the same time, the ergonomically optimised positioning of the Control Display and the Controller improves the driver's focus on the road and traffic. The driver only needs to look away briefly to select and activate a function. This improves active safety particularly in the demanding conditions of an emergency callout. And if the driver is accompanied, it can be left to the colleague to operate the iDrive system.

The new-generation iDrive control system additionally offers one-touch access to frequently used functions via the direct selection buttons situated close to the Controller. For example, the siren standby mode and continuous siren mode can both be activated or deactivated at a single press of a button.

4. Advanced eCall.



BMW was the world's first carmaker to introduce an Advanced eCall function with automatic vehicle location, as part of BMW ConnectedDrive. The system was introduced in 1997 in the USA and from 1999 onwards in Europe.

The German Interdisciplinary Emergency Medicine Congress (DINK 2011), held in Wiesbaden, recently presented BMW with an award for the Advanced eCall system.

If a vehicle is fitted with this specially designed automatic crash notification system, co-developed by BMW, an accident can be reported immediately and without delay to the nearest emergency services centre. As well as reporting the accident, the system can transmit further data, such as the exact location of the vehicle, which is determined by GPS. This means the rescue teams are not only able to respond promptly, but also know exactly where they are heading.

The data transmitted to the BMW Call Centre includes the location of the vehicle, which is accurate to within metres, the chassis number, the vehicle model, the vehicle colour and also the data recorded by the vehicle's sensors. For example, the system automatically detects how many people are travelling in the vehicle, which airbags were triggered and the intensity of the impact.

The transmitted data includes further accident parameters, too, such as accident severity and type. From this data, special software automatically estimates the probability of severe occupant injury, so that it is possible not only to get the rescue effort under way as quickly as possible, but also to provide the most effective possible assistance and to select a suitable hospital for the victims right away.

While the teams are on their way, the psychologically trained employees at the BMW Call Centre, where staff are on duty round the clock, make telephone contact with the vehicle's occupants and, if the occupants want, provide support until the emergency services get to the scene. It is also possible for the BMW Call Centre to set up a conference call establishing direct voice contact between the vehicle occupants and the relevant emergency services centre.

With the current BMW ConnectedDrive technology, it is already possible for location coordinates or brief details about an accident to be transmitted to a BMW emergency services vehicle. All that is required is that the vehicle is fitted with a BMW navigation system and a Bluetooth interface.

5. Specifications of exhibited vehicles.



BMW 325d Touring / paramedic vehicle

Paintwork	Alpine White non-metallic/ paramedic stickers (individual)
Interior upholstery	Black Dakota leather with blue contrast
No. of cylinders/displacement	6/2993 cm ³
Rated output at kW (hp) / rpm	150 kW (204 PS) / 3750
Top speed	240 km/h
Acceleration 0-100 km/h	7,2 s
CO2 emissions	153 g/km
Fuel consumption EU urban/extra-urban/combined	7,4 / 4,9 / 5,8 (l/100km)

Optional equipment:

Automatic transmission	Supplementary 12V socket
Roof aerial	Additional power supply
M alloy wheels Star-spoke 193 M, with mixed tyres	Unmasked official vehicle
Run-flat tyres	All-wheel-drive system
Standard suspension	Run-flat tyres
Sliding front armrest	Model designation deletion
Velour floor mats	Aluminium Glacier Silver interior trim
Interior mirror auto-dimming	Warning triangle
Sports seats, driver/front passenger	Interior/exterior mirrors auto-dimming
Seat heating, driver/front passenger	Storage compartment package
Headlight washing system	High-Beam Assistant
BMW Teleservices	Park Distance Control (PDC)
Rain sensor	Teleservices control
Automatic climate control	Xenon headlights
Navigation system Professional	Lights package
Internet	BMW Assist
BMW Online	Extended online information
Business/Bluetooth mobile phone preparation	Voice control system
Sport Edition	Cruise control
Navig. Professional with mobile phone preparation	Comfort packages
M aerodynamics package	M leather steering wheel
BMW Individual roof liner in Anthracite	BMW Individual High Gloss Shadow Line
	Storage compartment package

Available on special request:

Unmasked official vehicle version

Tyre inflation pressures shown above front and rear wheel arches, additional LED strobe lights (blue) in tailgate on left and right provide more visible warning when vehicle is parked with tailgate open and signal system switched on, equipment carrier for transmitting/receiving equipment and control units in load compartment, main radio switch, radio loudspeakers, separate interference suppression for radio equipment, additional 12V socket in centre console, rear, higher-capacity battery and alternator, protective film on B-pillars, additional holder for hand-held radio on centre console, passenger side, front and rear rubber floor mats, additional fuse-holder for emergency vehicle equipment, steel load compartment partition grille. Ex-works preparation for radio equipment AEG Teledux 9 / 4m band, Hella RTK 7 LED special signal system, LED front strobe, fire-service matrix, LED rear signal, work light, front strobe light in BMW kidney grille

BMW 525d Touring / fire fighting vehicle

Paintwork	Fire red, non-metallic/ Fire service stickers (individual)
Interior upholstery	Black Dakota leather
No. of cylinders/displacement	6/2993 cc
Rated output at kW (hp) / rpm	150 kW (204 hp) / 4000
Top speed	236 km/h
Acceleration 0-100 km/h	7.3 s
CO2 emissions	160 g/km
Fuel consumption EU urban/extra-urban/combined	8.0 / 5.3 / 6.3 (l/100km)

Optional equipment:

Unmasked official vehicle	Automatic transmission
Alloy wheels Turbine-spoke styling 329	Run-flat tyres
Sports leather steering wheel	Model designation deletion
Alarm system	Warning triangle
Velour floor mats	Lumbar support, driver/passenger
Interior mirror auto-dimming	Luggage compartment package
Seat heating, driver/front passenger	Headlight washing system
Supplementary 12V socket	Xenon headlights
Park Distance Control (PDC)	Teleservices control
BMW Teleservices	Head-Up Display
Navigation system Business	Internet
BMW Assist	BMW Online
Extended BMW online information	Business/Bluetooth
Voice control system	BMW mobile phone preparation
Individual sun protection glazing	Roof rails
Extra package, EU-specific	

Available on special request:

Multiband antenna 2m/4m/Tetra/GSM/GPS; rubber floor mats front and rear; LED front strobe lights, blue; rear strobe light in tailgate; preparation for radio equipment AEG Teledux 9 (4m); partition grille; RTK 7 LED signal system, fire version (roof rail-mounted) with separate siren (electric tone sequence); public address system; 230V mains connection incl. Defa mains socket; Votronic charger; Kenwood hand-held radio; accident data recorder UDS 2.0.

BMW 525d Touring / civil paramedic vehicle

Paintwork	Cashmere Silver metallic
Interior upholstery	Black Dakota leather
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No. of cylinders/displacement	6/2993 cc
Rated output at kW (hp) / rpm	150 kW (204 hp) / 4000
Top speed	236 km/h
Acceleration 0-100 km/h	7.3 s
CO2 emissions	160 g/km
Fuel consumption EU urban/extra-urban/combined	8.0 / 5.3 / 6.3 (l/100km)

Optional equipment:

Camouflaged emergency vehicle	Automatic transmission
Alloy wheels V-spoke 331	Run-flat tyres
Sports leather steering wheel	Model designation deletion
Alarm system	Warning triangle
Velour floor mats	Lumbar support, driver/passenger
Interior mirror auto-dimming	Luggage compartment package
Seat heating, driver/front passenger	Headlight washing system
Supplementary 12V socket	Xenon headlights
Park Distance Control (PDC)	Teleservices control
BMW Teleservices	Head-Up Display
Navigation system Professional	Internet
BMW Assist	BMW Online
Extended BMW online information	Business/Bluetooth
Voice control system	mobile phone preparation
Extra package, EU-specific	

Available on special request:

Multiband antenna 2m/4m/Tetra/GSM/GPS; rubber floor mats front and rear; camouflaged special signal system (Hänsch 620); detachable magnetic beacon Movia-D LED (holder on driver's seat); socket for beacon in left + right B-pillar; preparation for radio equipment EADS/AEG TX9, single-handset system; LED front strobe light, blue

BMW X1 xDrive23d

Paintwork	Titanium Silver metallic/ police stickers (individual), traffic blue
Interior upholstery	Black Dakota leather
No. of cylinders/displacement	4/1995 cc
Rated output at kW (hp) / rpm	150 kW (204 hp) / 4400
Top speed	210 km/h
Acceleration 0-100 km/h	7.3 s
CO2 emissions	167 g/km
Fuel consumption EU urban/extra-urban/combined	7.8 / 5.5 / 6.3 (l/100km)

Optional equipment:

Automatic transmission	Extra package, EU-specific
Multifunction steering wheel	Sports leather steering wheel
Alloy wheels twin-spoke 320	Run-flat tyres
X Line	Model designation deletion
Satinated Aluminium roof rails	Sliding front armrest
Sun protection glazing	Velour floor mats
Warning triangle	Interior mirror auto-dimming
Ski bag	Lumbar support, driver/front passenger
Storage compartment package	Seat heating, driver/front passenger
Headlight washing system	Park Distance Control (PDC)
BMW Teleservices	Teleservices control
Rain sensor	Xenon headlights
Automatic Climate Control	Lights package
Navigation system Professional	BMW Assist
Internet	Extended online information
BMW Online	Voice control system
Business/Bluetooth mobile phone preparation	

Available on special request:

Hänsch DBS 4000 LED special signal system, incl. external radio mode and public address system, police stickers (individual), weapon mount, additional power supply, Calero combined antenna 2m/4m GPS/GSM/Tetra, preparation for radio equipment EADS TX 9-80 BHA, holder for hand-held stop signal on driver's seat, two vehicle electrical sockets in load compartment, automatic headlight activation when emergency light activated, blue LED rear strobe lights in tailgate, front and rear rubber mats, fitted mat in load compartment, front strobe lights in kidney grille, engine run-on system, steel partition grille, suction cup mirror with double-jointed arm

BMW X3 xDrive20d / paramedic vehicle

Paintwork	Alpine White
Interior upholstery	Black Nevada leather
No. of cylinders/displacement	4/1995 cc
Rated output at kW (hp) / rpm	135 kW (184 hp) / 4000
Top speed	210 km/h
Acceleration 0-100 km/h	8.5 s
CO2 emissions	149 g/km
Fuel consumption EU urban/extra-urban/combined	6.7 / 5.0 / 5.6 (l/100km)

Optional equipment:

Alloy wheels Star-spoke 259	Voice control system
Adaptive Drive	High Definition Radio
Tyre Pressure Control	CD changer for 6 CDs
Active Steering	HiFi system Professional
Self-levelling suspension	BMW Individual roof liner in Anthracite
Heated steering wheel	BMW Individual High Gloss Shadow Line
Sports leather steering wheel	BMW Individual sun protection glazing
Automatic tailgate operation	High-speed tuning
Integrated universal remote control	Cruise control with braking function
Comfort Access	Lights package
Aluminium door sill	BMW Teleservices
Sports package	DVD system in rear
Fine wood trim Ash Grain	Navigation system Professional
Interior mirror with digital compass	Headlight washing system
Automatic 4-zone climate control	Park Distance Control (PDC)
Glass roof, electric	Rain sensor
Sunblind, rear	Xenon headlights
Interior/exterior mirrors auto-dimming	Adaptive Headlights
Interior mirror auto-dimming	Seat heating, driver/front passenger
Electric seat adjustment with memory function	Seat heating, rear seats
Sports seats, driver/front passenger	Storage compartment package
Lumbar support, driver/front passenger	Smoker's package

Available on special request:

BMW load floor (extendable, rear-impact-tested); steel partition grille, Hänsch DBS 4000 high-performance LED paramedic signal system, front and rear stop signal unit, siren with 2x pressure chamber speakers behind front apron, Hänsch LED front strobe, Sputnik nano blue, Hella LED strobe, accident data recorder UDS 2.0, 55Ah auxiliary battery, 12V charging socket for both batteries, emergency start system, 12V vehicle electrical socket, 230 V mains connection incl. Defa mains socket (incl. two 12V and two 230V DIN EN 60601-1 sockets), roof-mounted rear flasher (amber), Calearo combined antenna 2m/4m GPS/GSM/Tetra, preparation for radio equipment EADS/AEG TX9, single-handset system, hand-held control unit 902, public address microphone in glove compartment, 12V/24V in-car docking and charging cradle for TK-290-11b, DEFA 1400 passenger compartment heater incl. thermostat, LED load compartment light in tailgate, paramedic stickers (individual versions), rubber floor mats

BMW X6 xDrive50i / paramedic vehicle

Paintwork	Titanium Silver metallic
Interior upholstery	Black Dakota leather
No. of cylinders/displacement	8/4395 cc
Rated output at kW (hp) / rpm	300 kW (407 hp) / 5500-6400
Top speed	250 km/h
Acceleration 0-100 km/h	5.4 s
CO2 emissions	299 g/km
Fuel consumption EU urban/extra-urban/combined	17.7 / 9.9 / 12.8 (l/100km)

Optional equipment:

Alloy wheels Star-spoke 259	Voice control system
Adaptive Drive	High Definition Radio
Tyre Pressure Control	CD changer for 6 CDs
Active Steering	HiFi system Professional
Self-levelling suspension	BMW Individual roof liner in Anthracite
Heated steering wheel	BMW Individual High Gloss Shadow
Sports leather steering wheel	Line
Automatic tailgate operation	BMW Individual sun protection glazing
Integrated universal remote control	High-speed tuning
Comfort Access	Cruise control with braking function
Aluminium door sill	Lights package
Sports package	BMW Teleservices
Fine wood trim Ash Grain	DVD system in rear
Interior mirror with digital compass	Navigation system Professional
Automatic 4-zone climate control	Headlight washing system
Glass roof, electric	Park Distance Control (PDC)
Sunblind, rear	Rain sensor
Interior/exterior mirrors auto-dimming	Xenon headlights
Interior mirror auto-dimming	Adaptive Headlights
Electric seat adjustment with memory function	Seat heating, driver/front passenger
Sports seats, driver/front passenger	Seat heating, rear seats
Lumbar support, driver/front passenger	Storage compartment package
	Smoker's package

Available on special request:

Hänsch DBS 975 LED roof bar, LED front strobe Sputnik nano blue in and below BMW kidney grille, mirror- and rear-mounted strobes, side strobes in bumper, paramedic stickers (individual)

BMW ACS1 2.3d Coupé

Paintwork	Titanium Silver metallic/ paramedic stickers, silver-red
Interior upholstery	Black Boston 2 leather
No. of cylinders/displacement	4/1995 cc
Rated output at kW (hp) / rpm	177 kW (241 hp) / 4400
Top speed	238 km/h
Acceleration 0-100 km/h	6.7 s
CO2 emissions	148g/km
Fuel consumption EU urban/extra-urban/combined	7.3 / 4.6 / 5.6 (l/100km)

Optional equipment:

Automatic transmission	Servotronic
Multifunction steering wheel	Exterior mirror package
M Sport package	Aluminium Glacier Silver interior trim
Glass roof, electric	Sun protection glazing
Velour floor mats	Warning triangle
Interior mirror auto-dimming	Front armrest
Lumbar support, driver/front passenger	Storage compartment package
Seat heating, driver/front passenger	Headlight washing system
Park Distance Control (PDC)	Rain sensor
Xenon headlights	Automatic Climate Control
Cruise control	Lights package
BMW Teleservices	Teleservices Control
Navigation system Professional	BMW Assist
Internet	Extended BMW online information
BMW Online	Voice control system
Business/Bluetooth mobile phone preparation	Advantage + Comfort package with M
Navig. Professional with Bluetooth mob. phone prep.	Sport package
M leather steering wheel	M Sports suspension
BMW Individual High Gloss Shadow Line	M aerodynamics package
	BMW Individual roof liner in Anthracite

Tuning specification:

“RTK” (Hella) light bar, “LEDayFlex” LED daytime running lights (Hella), aluminium wheels 9x20 ET40 (AC Schnitzer), tyres 235/30 ZR20 “Ventus S1 evo” (Hankook), G-force indicators, suspension spring, bodystyling kit, chrome tailpipe, uprated engine, sports seats, carbon and aluminium interior (all by AC Schnitzer), car glass film / safety and security film (FOLIATEC)