Media Information

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GT X Experimental Technology: Envisioning Future Mobility

- Pure electric: next-generation 50 kWh lithium-ion battery, inductive charging
- Drive-by-wire: More design-freedom, reduced complexity, lower weight
- Level 3 automated driving: Full-control capability, driver intervention on request

Rüsselsheim. The Opel GT X Experimental concept embodies Opel's brand values and vision, and also shows how the company's engineers and designers see mobility of the future. True to the PACE! strategic plan promise of offering an electrified version of each Opel model by 2024, the GT X Experimental concept is a fully electric car also featuring drive-by-wire technology and level 3 automated driving. Power is delivered by a compact, next-generation, 50 kWh lithium-ion battery which is charged inductively.

Electric cars emit zero exhaust gases and their electric motors deliver sports-car-like acceleration – maximum torque is available as soon as the accelerator pedal is pressed. Inductive charging technology is the bridge to the future. While drivers of conventional electric vehicles need to drive to a charging station, get out the charger cable, connect the plug, remove it again and put the cable away, with inductive charging the car is simply parked over or next to a charging plate.

Drive-by-wire: Automated driving enabler

The Opel GT X Experimental concept also features drive-by-wire technology for steering. In addition to allowing greater freedom in the location of controls, drive-by-wire eliminates mechanical linkages or hydraulics, thus reducing weight. Drive-by-wire technology is also a key enabler for automated driving, which experts predict can significantly reduce traffic collisions caused by human error when fully developed.

Automated driving is classified industry-wide on six levels, from no automation (level zero, with the driver performing all dynamic driving tasks) to full automation (level 5, where no human intervention is required at all). The Opel GT X Experimental is a level 3 automated vehicle concept, which means that drivers can let the automated system take full control of the car and divert their attention from driving, e.g. to read or watch a film, but must be prepared to intervene when called upon by the system to do so.

Pure Panel: Visual and digital detox for a relaxing oasis

The airy interior of the Opel GT X Experimental follows the same principles of visual and digital detox as the exterior. Surrounded by the panoramic windscreen/roof and uninterrupted side-window, the cabin's sleekness masks the innovations it holds in store.

The interior's standout feature is the instrument panel encased in a module that mimics the Opel Vizor – the Opel "Pure Panel". One wide, single screen welcomes drivers and shows that the multitude of screens, buttons and controls often seen in current-day production vehicles could become obsolete. The Pure Panel enables drivers to have access to the latest technology and get the information they need while eliminating all visually distracting elements.

The Pure Panel also shows how Opel allows technology to simplify customers' lives. Two screens on the far left and right of the front panel display the side views captured by the small pop-out cameras.

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