



## Robotaxi Night Drive Demonstrates Full Sensing Suite in Action

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**Our fifth unedited autonomous-driving video follows our robotaxi on a nighttime cruise through Jerusalem, demonstrating the capabilities of True Redundancy™ sensing.**

Robotaxi deployment doesn't require a single technological innovation; it demands several – including processors, driving policy, maps, and multiple types of sensors – all working in unison.

You may have seen some of these technologies demonstrated in our [previous unedited autonomous-driving videos](#). Now we've released another. Only this time, it doesn't just show *some* of our self-driving technologies in action. It shows *all* of them, demonstrating how our robotaxi fleet will function in the real world.

### True Redundancy™ in Action

The previous unedited AV videos we've released to date have all been filmed in our camera-only developmental autonomous vehicles. This latest video, however, showcases our fully configured robotaxi ([revealed at IAA last September](#)) in action.

This vehicle incorporates an array of radar and LiDAR sensors, operating in tandem with our camera-based computer-vision subsystem, and demonstrating the capabilities of our [True Redundancy](#) approach to autonomous-vehicle sensing. Instead of "fusing" the feeds from all the sensors into a single model of the driving environment, True Redundancy separates them into two parallel subsystems to create two separate models of the driving environment – complementing each other and creating an additional safety net.

### Nighttime Driving in a Challenging Environment

The integration of the [active sensors](#) isn't the only element that makes this drive stand out. It was also shot at night, forcing the sensing suite to [cope with a difficult combination](#) of low visibility and glaring lights. Like [our first unedited drive video](#), it was also shot in Jerusalem – a city known for its difficult combination of challenging driving culture and winding, undulating roads. But our robotaxi handled it all smoothly.

The multi-stop drive also simulated how our robotaxis are designed to operate in the real world. Commercial operations are slated to commence in both [Germany](#) and Israel later this year, picking up and dropping off passengers as they make their way across town.

[Read more in the Intel Newsroom](#), and watch the full, unedited 40-minute video below to see how our robotaxi is driving us that much closer to our goal of delivering self-driving mobility everywhere, in every way, for everyone.