

## (4 차 산업) 최초의 미대륙횡단 자율운전 시도

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No hands. We are in the driver seat of the first self driving car set to go coast to coast. From NBC news, this is Today. Welcome to the future of driving. At the GM test track near Detroit, a Cadillac CT6 speeds along at 70 miles per hour. But look closely, the driver is handsfree. "Your hands are not on the wheel, Correct. I am not touching it. And the car is driving itself" Not just on the **straightaways** but in turns and **congestion** too.

Here is how it works. GM has precision map with 160,000 miles of freeways in the US and Canada that don't have cross traffic, pedestrians or bicycles. Matched with GPS tracking, Cadillac says it's accurate to within 4 inches. "We are able to tell via GPS where you are at in the lanes, where you are at on the road. And we can, we can navigate the car, with the map inside the car as well as the camera and a long-range radar"

Think of it as sort of super cruise control, that also keeps you from **slamming** into the car ahead. To test it, I took the car out on the highways near Detroit. That's me right there in the white car. It takes a few minutes to get used to no hands. The green light on the steering wheel signals the car is driving itself. So I am driving handsfree at this point. And as the car is going around the **bend** in the road, the car turns itself. I don't need to do a thing. I just got to maintain eye contact with the car ahead of me and the steering wheel in case I need to jump in.

A tiny **embedded** camera watches the driver's face for signs of **distraction**. If she takes your eyes off the road for more than a few seconds, the red warning light **flashes** and the car soon begins to slow. "The **bottom line** is this is not an excuse for you to be **zoning out** or sleeping or watching a movie. Absolutely, yep, that's why we want to driver to be engaged. There are always **hazards** that come up that aren't prepared for, right?"

It could be an unexpected deer or downed tree. Cadillac has serious competition among cars with **enhanced** driver assistant systems. Mercedes, BMW, Audi and Tesla all offer semi-autonomous driving. But a Tesla driver who was using **autopilot** was killed in Florida after **slamming** into a truck. Investigators blamed a lack of driver attention and a lack of **sufficient system safeguards**. But with the world's automakers now rolling out semi-autonomous driving, it may only be a matter of time before our cars drive us.



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1. No hands. We are in the driver seat of the first self-driving  
손을 올려놓지를 않습니다. 우리는 첫 자율운전의 운전석에 앉아있습니다.
2. car set to go coast to coast. From NBC news, this is Today.  
대륙횡단을 하는..
3. Welcome to the future of driving.  
미래의 운전 관련 소식입니다.
4. At the GM test track near Detroit, a Cadillac CT6 speeds along at 70 miles per hour.  
디트로이트의 GM 테스트 트랙에서, 캐딜락 CT6 는 시속 70 마일을 달립니다.
5. But look closely, the driver is handsfree.  
그러나 가까이 보면, 운전수는 핸드프리입니다.
6. "Your hands are not on the wheel, Correct. I am not touching it. And the car is driving itself"  
당신의 손이 운전대에 있지않네요. 맞아요. 난 만지지를 않습니다. 자동차는 자율운행을 합니다.
7. Not just on the **straightaways** but in turns and **congestion** too.  
직선도로 뿐만 아니라, 회전 그리고 혼잡구간에서도 말입니다.
8. Here is how it works.  
작동원리는 이렇습니다.
9. GM has **precision** map with 160,000 miles of freeways in the US and Canada  
GM 은 미국과 캐나다에 있는 16 만 마일의 정밀지도를 가지고 있습니다.
10. that don't have **cross traffic**, pedestrians or bicycles.  
교차로와 행인과 자전거들이 없는 말입니다.
11. Matched with GPS tracking, Cadillac says it's accurate to within 4 inches.  
GPS 추적과 결합하여, 캐딜락은 4 인치내의 정밀도를 가지고 있다고 합니다
12. "We are able to tell via GPS where you are at in the lanes, where you are at on the road.  
우리는 GPS 들 통해 말할 수 있습니다. 당신이 차선내에 어디에 있는지, 길의 어디에 있는지를...
13. And we can, we can navigate the car, with the map inside the car as well as the camera and a long-range radar"  
그리고 우리는 카메라와 장거리 레이더를 가지고 있는 자동차 내의 지도를 이용해 차량운행을 할 수 있습니다.
14. Think of it as sort of super cruise control, that also keeps you from **slamming** into the car ahead.  
이것을 일종의 슈퍼 크루즈 컨트롤이라고 생각하세요, 앞에 있는 자동차로의 충돌을 피하게 하는
15. To test it, I took the car out on the highways near Detroit.  
이것을 시험하기위해, 난, 디트로이트 근처의 고속도로에서 차를 몰았습니다.
16. That's me right there in the white car.  
저 흰색 자동차내에 내가 있습니다.
17. It takes a few minutes to get used to no hands.  
내가 핸드프리에 익숙해 지는데 몇 분이 걸립니다.
18. The green light on the steering wheel signals the car is driving itself.  
운전대의 초록색 빛은, 자동차가 자율 운행 중임을 말합니다.
19. So I am driving handsfree at this point.

이제, 난, 핸즈프리의 운행을 하고 있습니다.

20. And as the car is going around the **bend** in the road, the car turns itself.  
자동차가 도로의 굽어진 길을 다다를 때, 자동차는 자동적으로 돕니다.
21. I don't need to do a thing. I just got to maintain eye contact with the car ahead of me  
난 어떤 일도 필요 없어요. 난, 그저, 내 시야를 내 앞의 자동차에 맞추면 됩니다.
22. and the steering wheel in case I need to jump in.  
그리고 만약 내가 개입할 경우에 대비, 운전대에 말입니다.
23. A tiny **embedded** camera watches the driver's face for signs of **distraction**.  
작은 내장된 카메라는, 운전자의 산만한 얼굴을 감시합니다.
24. If she takes your eyes off the road for more than a few seconds,  
만약, 당신의 눈이 몇 초 이상 길에서 눈을 떼는 것을, 감지하면
25. a red warning light **flashes** and the car soon begins to slow.  
빨간 불빛이 반짝이고, 자동차는 속도를 곧 줄이기 시작합니다.
26. "The **bottom line** is this is not an excuse for you to be **zoning out** or sleeping or watching a movie.  
하한선이라는 것은, 멍해 지거나, 잠이 들거나, 영화를 보는 일해 대해 변명의 여지가 없다는 것입니다.
27. Absolutely, yep, that's why we want to driver to be engaged.  
맞아요.. 그 이유 때문에 우리는 운전자가 개입을 하기를 원합니다.
28. There are always **hazards** that come up that aren't prepared for, right?"  
항상 위험은 있습니다. 준비가 되지 않은 일이 발생할...
29. It could be an unexpected deer or downed tree.  
그것은 예상치 못한 사슴 또는 넘어진 나무가 될 수가 있습니다.
30. Cadillac has serious competition among cars with **enhanced** driver assistant systems.  
캐딜락은 심각한 경쟁에 있습니다. 강화된 운전자 보조 시스템을 가진 자동차들과 말입니다.
31. Mercedes, BMW, Audi and Tesla all offer semi-autonomous driving.  
메르세데스, BMW, 아우디, 그리고 테슬라는 모두 반 자동주행차량을 내놓고 있습니다.
32. But a Tesla driver who was using **autopilot** was killed in Florida after **slamming** into a truck.  
그러나 한 테슬라 자동주행 장치를 쓰던 운전자가, 플로리다에서 죽었습니다. 트럭을 받은 후에
33. Investigators blamed a lack of driver attention and a lack of **sufficient system safeguards**.  
조사관들은 운전자의 주의 결핍과 충분한 안전시스템의 미비의 탓이라고 했습니다.
34. But with the world's automakers now rolling out semi-autonomous driving,  
그러나, 전 세계의 자동차 메이커들이 반 자동 주행차량을 내놓고 있는 가운데
35. it may only be a matter of time before our cars drive us.  
이제는 자동차가 우리에게 운전을 제공하는 것은, 시간의 문제일 뿐입니다.

Dance with you  
당신과 함께 춤을

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2. car set \_\_\_\_\_ go coast \_\_\_\_\_ coast. \_\_\_\_\_ NBC news, \_\_\_\_\_ Today.

3. Welcome \_\_\_\_\_ future \_\_\_\_\_ driving.
4. At \_\_\_\_\_ GM test track near Detroit, \_\_\_\_\_ Cadillac CT6 speeds along at 70 miles per hour.
5. \_\_\_\_\_ look closely, \_\_\_\_\_ driver \_\_\_\_\_ handsfree.
6. “\_\_\_\_\_ hands \_\_\_\_\_ not on \_\_\_\_\_ wheel, Correct. I am not touching it. \_\_\_\_\_ car \_\_\_\_\_ driving itself”
7. Not just on \_\_\_\_\_ **straightaways** \_\_\_\_\_ turns \_\_\_\_\_ **congestion** too.
8. Here \_\_\_\_\_ how it works.
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10. \_\_\_\_\_ don't have **cross traffic**, pedestrians or bicycles.
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13. \_\_\_\_\_ we can, we can navigate \_\_\_\_\_ car, \_\_\_\_\_ map inside \_\_\_\_\_ car \_\_\_\_\_ well \_\_\_\_\_ camera \_\_\_\_\_ long-range radar”
14. Think \_\_\_\_\_ it \_\_\_\_\_ sort \_\_\_\_\_ super cruise control, \_\_\_\_\_ also keeps you \_\_\_\_\_ **slamming** into \_\_\_\_\_ car ahead.
15. \_\_\_\_\_ test it, I took \_\_\_\_\_ car out on \_\_\_\_\_ highways near Detroit.
16. \_\_\_\_\_'s me right \_\_\_\_\_ white car.
17. It takes \_\_\_\_\_ few minutes \_\_\_\_\_ get used \_\_\_\_\_ no hands.
18. \_\_\_\_\_ green light on \_\_\_\_\_ steering wheel signals \_\_\_\_\_ car \_\_\_\_\_ driving itself.
19. So I am driving handsfree at \_\_\_\_\_ point.
20. \_\_\_\_\_ car \_\_\_\_\_ going around \_\_\_\_\_ **bend** \_\_\_\_\_ road, \_\_\_\_\_ car turns itself.
21. I don't need \_\_\_\_\_ do \_\_\_\_\_ thing. I just got \_\_\_\_\_ maintain eye contact \_\_\_\_\_ car ahead \_\_\_\_\_ me
22. \_\_\_\_\_ steering wheel \_\_\_\_\_ case I need \_\_\_\_\_ jump \_\_\_\_\_.
23. \_\_\_\_\_ tiny **embedded** camera watches \_\_\_\_\_ driver's face \_\_\_\_\_ signs \_\_\_\_\_ **distraction**.
24. If she takes \_\_\_\_\_ eyes off \_\_\_\_\_ road \_\_\_\_\_ more than \_\_\_\_\_ few seconds,
25. \_\_\_\_\_ red warning light **flashes** \_\_\_\_\_ car soon begins \_\_\_\_\_ slow.
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32. \_\_\_\_\_ Tesla driver who \_\_\_\_\_ using **autopilot** \_\_\_\_\_ killed \_\_\_\_\_ Florida after **slamming** into \_\_\_\_\_ truck.
33. Investigators blamed \_\_\_\_\_ lack \_\_\_\_\_ driver attention \_\_\_\_\_ lack \_\_\_\_\_ **sufficient system safeguards**.
34. \_\_\_\_\_ world's automakers now rolling out semi-autonomous driving,
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