

# Timeline of Automation



**1925**  
Houdina Radio Control demonstrates "American Wonder"



**1939**  
Representation of automated guided car exhibited at World's Fair



**1945**  
Teetor Cruise Control is developed

**1953**

RCA Labs builds miniature car guided by wires on lab floor

**1950-60s**

General Motors showcases Firebirds' electronic guide system

**1960s**

Driverless Citroen DS is tested on road with magnetic cables

**1961**

Stanford Cart is world's first truly self-driving wheeled vehicle on the moon



**1977**  
Tsukuba Mechanical produces vehicle with 2 mounted cameras.



**1987**  
VaMoRs equips sedan that can detect objects on the road

**1989-95**

Carnegie Mellon University uses neural networks to steer autonomous vehicles



**1995**

General Atomics MQ-1 Predator designed



**2004**

The first DARPA Challenge: competition for American autonomous vehicles



**2005**

Stanford and Carnegie Mellon cars complete DARPA Challenge II



**2009-14**  
Race for 1st fully autonomous consumer car is on



**2014**  
SAE International publishes 5 levels of automated driving systems



**2015**  
Many US states adopt legislation to allow autonomous cars on public roadways



**2016**  
HERE HD Live Map released



**2017**  
U.S. Congress passes 1st bill regulating self-driving cars; Audi A8 introduced

To the future...

**2020**

Many car companies are promising semi-autonomous cars on the road

**2021**

BMW and Ford promise driverless cars; Lyft co-founder predicts autonomous vehicles as Lyft rides

**2027**

Uber co-founder sees driverless trucks used across the U.S.

**2032**

Predicted mass deployment of fully autonomous cars