

Smart City & Gnmz



ENERJİ KRİZİ VE KÜRESEL ISINMA



(WMO) 1,2-1,3 derece artış



2050'lerde yıllık ortalama 1 trilyon dolar

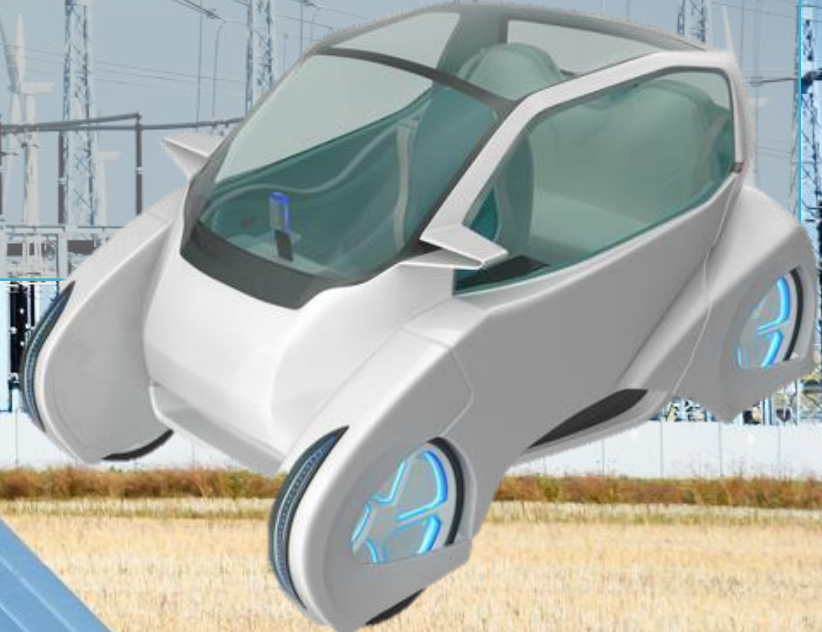


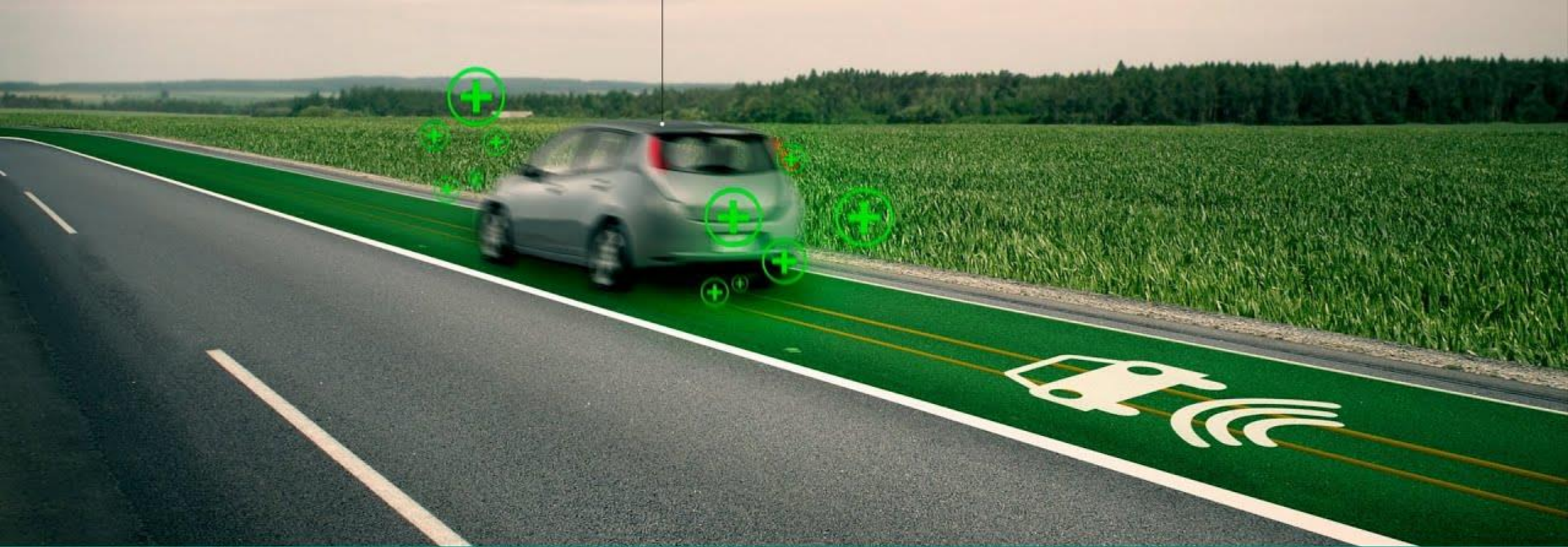
Zehirli gazlar ve salgın hastalıklar

Yenilenebilir enerji kaynaklarının kullanımı ve israfın azaltılması

Lokal enerji çözümleri ve Smart Grid ile maksimum verim

Elektrikli araçların kullanımı





FUTURISTIC SMART ROADS

Demonstration of eHighway on public road

The world's first public road project with electrified highway trucks is conducted in Sweden

2030

the year, by which Swedish transport sector shall be fossil fuel independent. To evaluate realistic solutions for sustainable road transport, the Swedish authorities funded this demonstration project.



2 year

period, during which Siemens, in cooperation with truck manufacturer Scania, will demonstrate hybrid trucks with operations under a catenary system

2 km

of the highway E16 has been equipped with eHighway infrastructure without any dispensations from the existing rules and regulations

75,000€

of fuel savings can be achieved by a Swedish 60-ton truck driving 200,000 km on the eHighway (at 2014 prices)

75%

reduction in fuel costs is possible with electrified freight transport (Source: Grontmij 2010)

Siemens eHighway

20,000€

40 tonluk bir Alman kamyonu
EHighway'de 100.000 km (2004 fiyatlarıyla) yakıt
tasarrufu sağlanabiliyor

6,000,000 t

Alman karayollarında kamyon trafiğinin% 30'unun
elektriklendirilmesi ve yenilenebilir kaynaklarla
tedarik edilmesi durumunda yıllık CO2 tasarrufunda

2x

Geleneksel yanmalı motorlara göre verimliliği artırıp, böylece
enerji tüketimi yarı yarıya azaltır

>80%

Hatların ile verimlilik
seviyesi

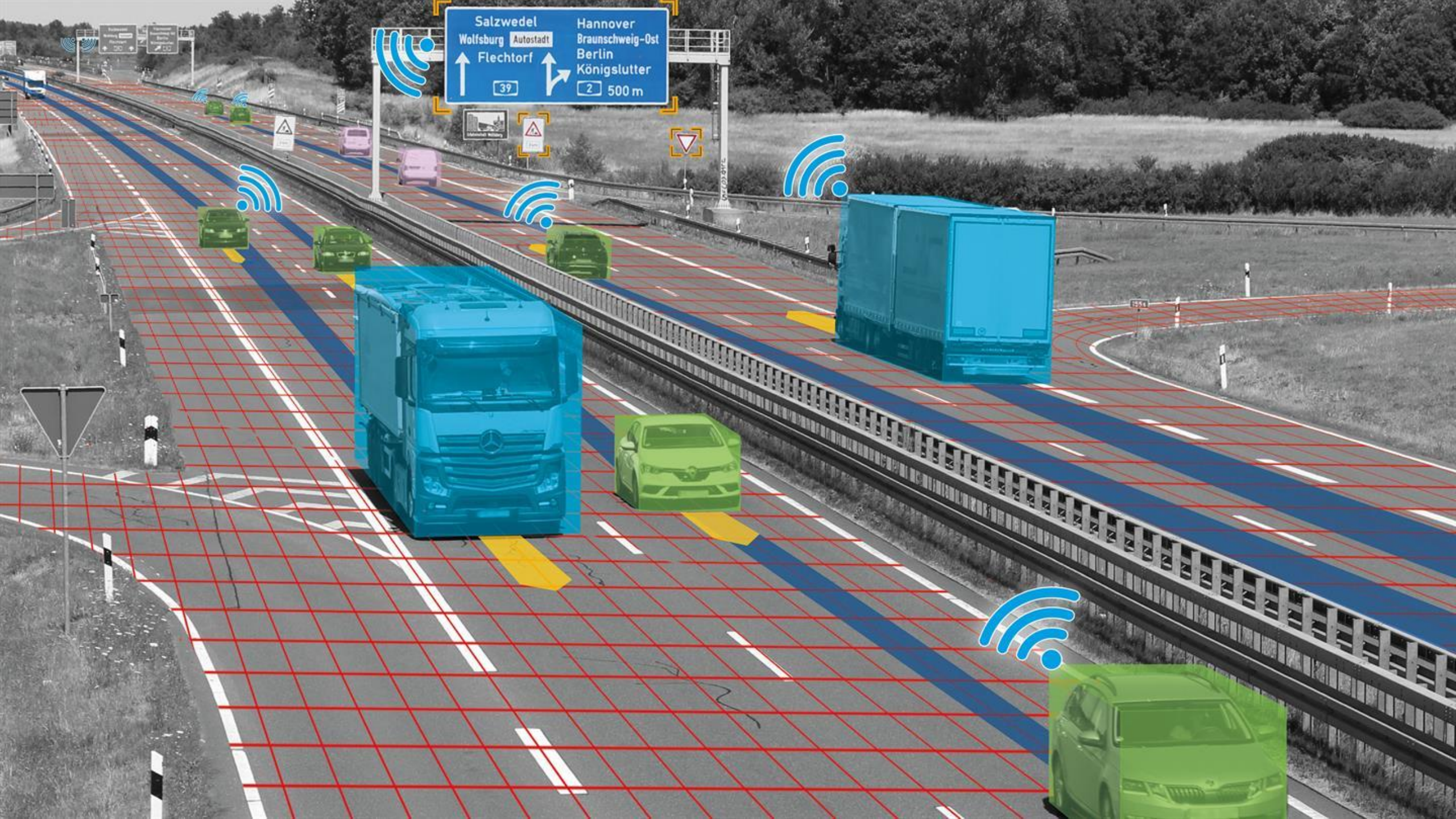
90 km/h

maksimum sürüş hızı

0

Emisyon





Salzwedel
Wolfsburg Autostadt
Flechtingen
39

Hannover
Braunschweig-Ost
Berlin
Königslutter
2 500 m





- Trafik Kontrol Sistemi
- Baęlantılı ve otomatik araç fonksiyonlarını geliřtirmek
- Çevresel izleme verilerinin sağlanması



Karbon
Ayakizi



IoT
Platform



Hava Data

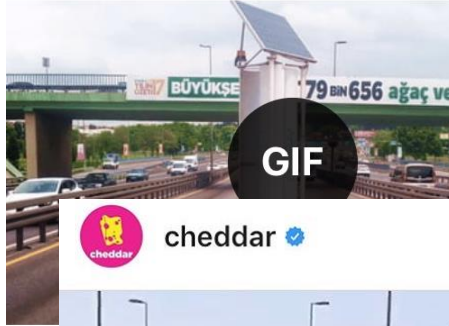


Wi-Fi



enter.art

Windmill powered by high traffic



GIF



cheddar

18

