

# Er sjálfvirkni í samgöngum himnasending?



Maron Kristofersson

maron@aha.is

<https://www.linkedin.com/in/maronk/>



Reykjavík

aha

# 3-5 mínútur

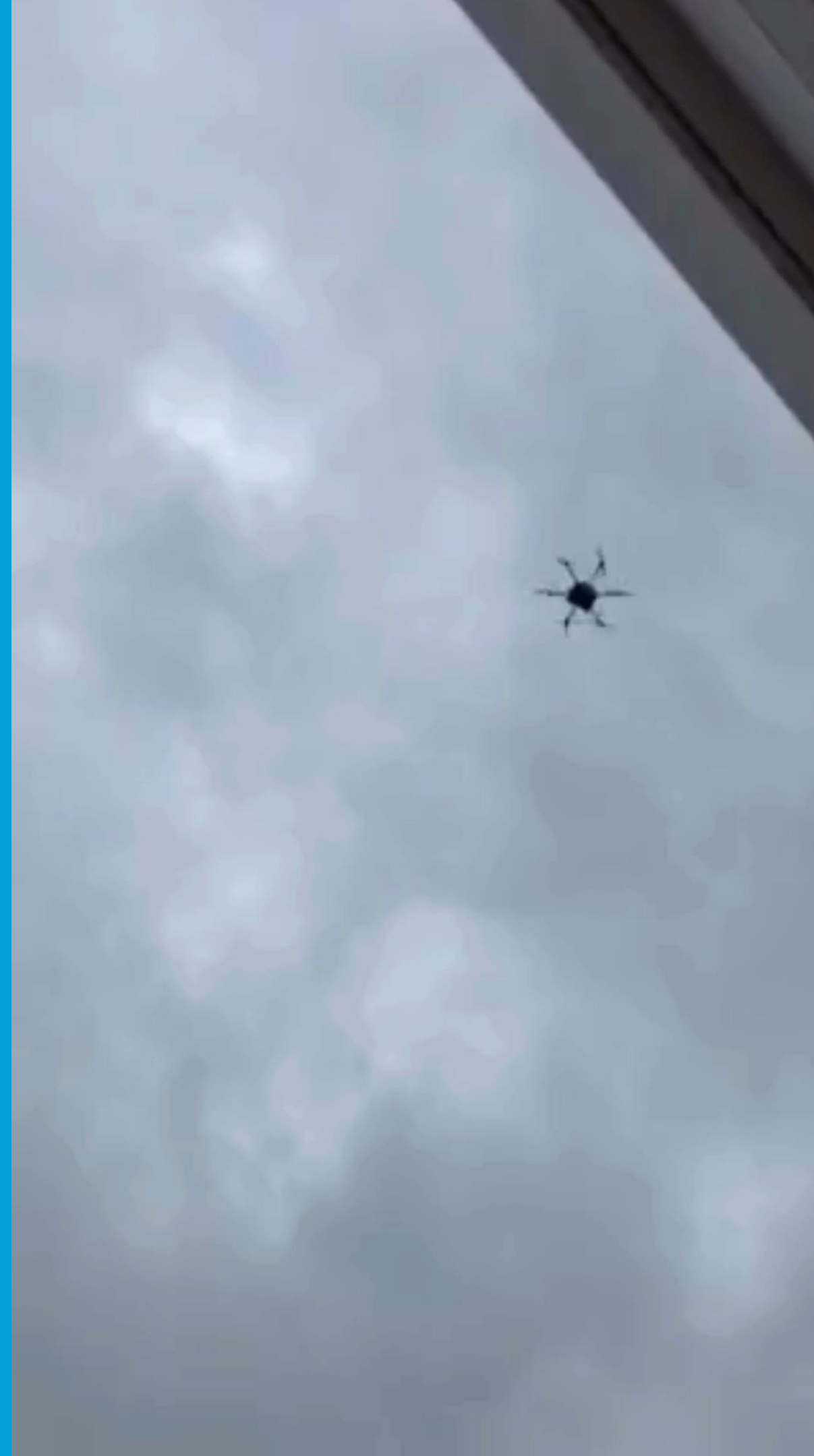
Kynning

Rafmagnið breytir öllu

Innviðir með nýrri tækni

Hugbúnaður og áhrif hans

Framtíðin







Rafmagnsbílar



100% Rafmagns floti



Síðan 2018



20 dagar umhverfis heiminn



Yfir 6 milljón km



# Allt á niðurleið

2016  
Bensín  
500 ml



2017  
Rafmagnsbíll  
1.5 kWh



Minni sjálfkeyrandi bíll  
0.7 kWh



2017 Dróni  
0.4 kWh

2022 Dróni  
0.3 kWh

2024 Dróni  
0.2 kWh



Slysa hættu  
Hávaði  
Orkunotkun  
Mengun  
Svifryk  
Pláss í umferð  
Kostnaður



Í sumum tilfellum er  
stór bíll bestur



En allt breytist ef við  
þurfum ekki að flytja  
bílstjórann

Þegar rafmagnsbíllinn verður stór, þá  
verður hann lítill

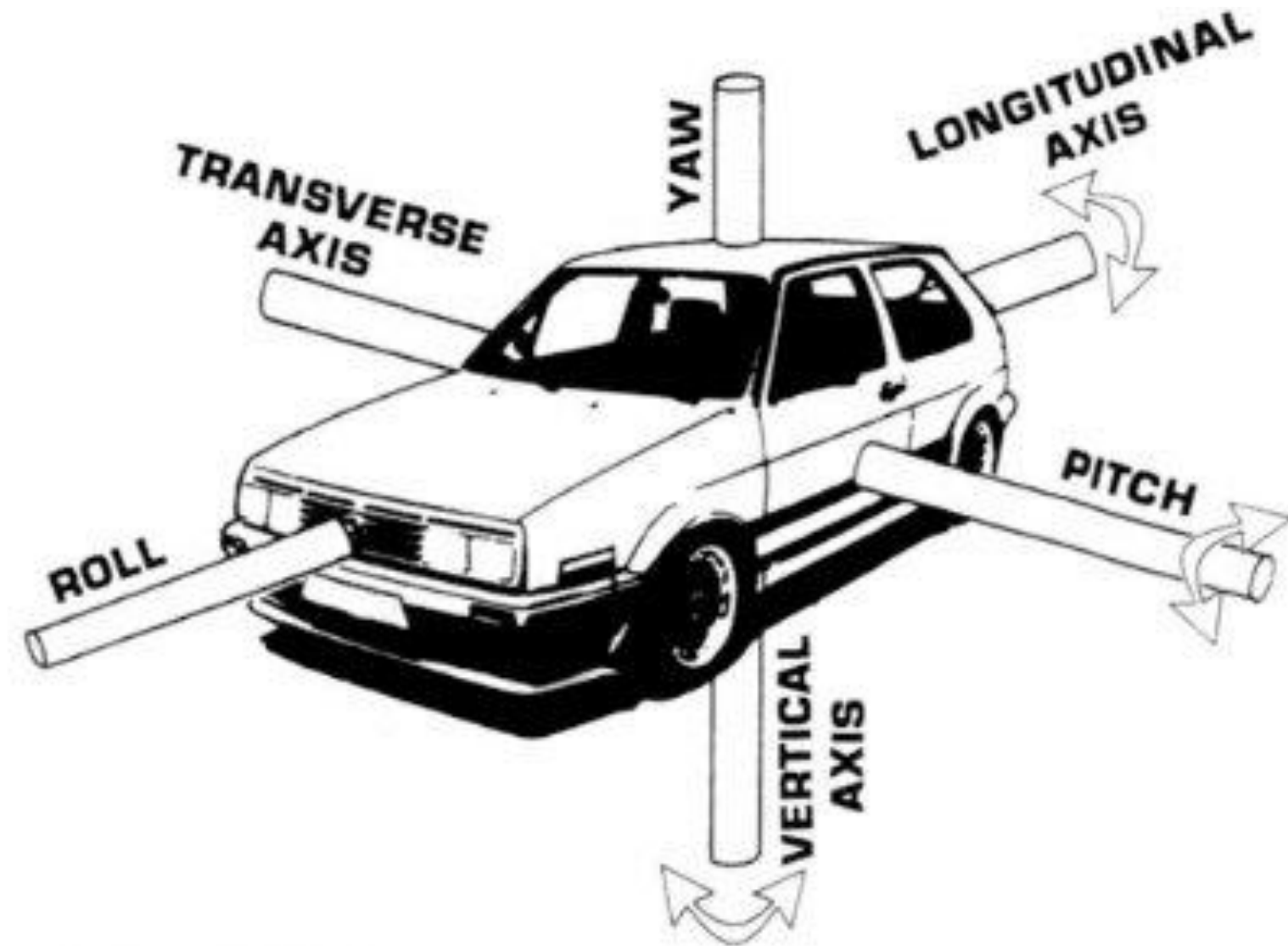
## Bensínbíll

Flókið tæki margir

íhlutir

Hár þyngdarpunktur

Mikill titringur skemmir



## Rafmagnsbíll

Einfalt tæki fáir íhlutir

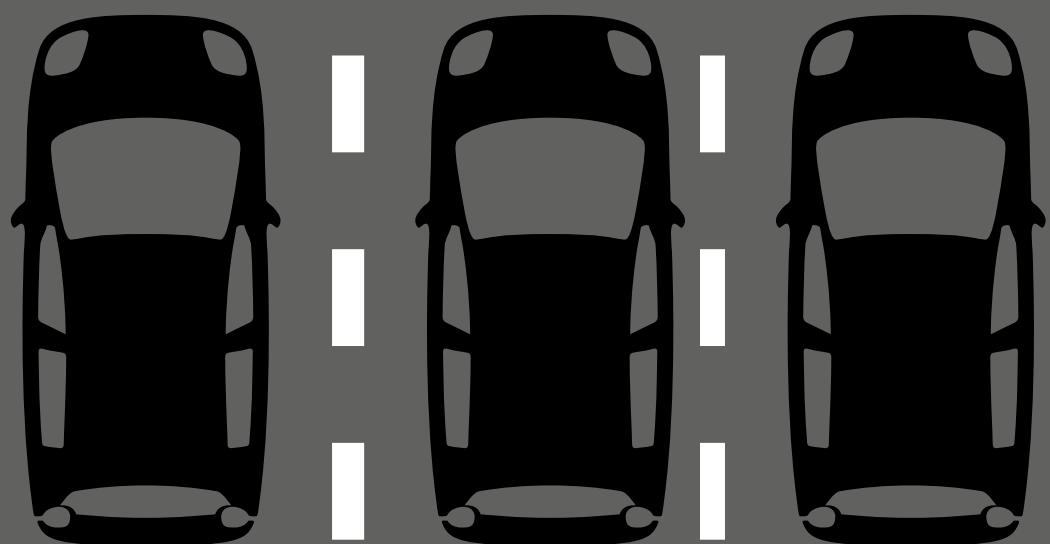
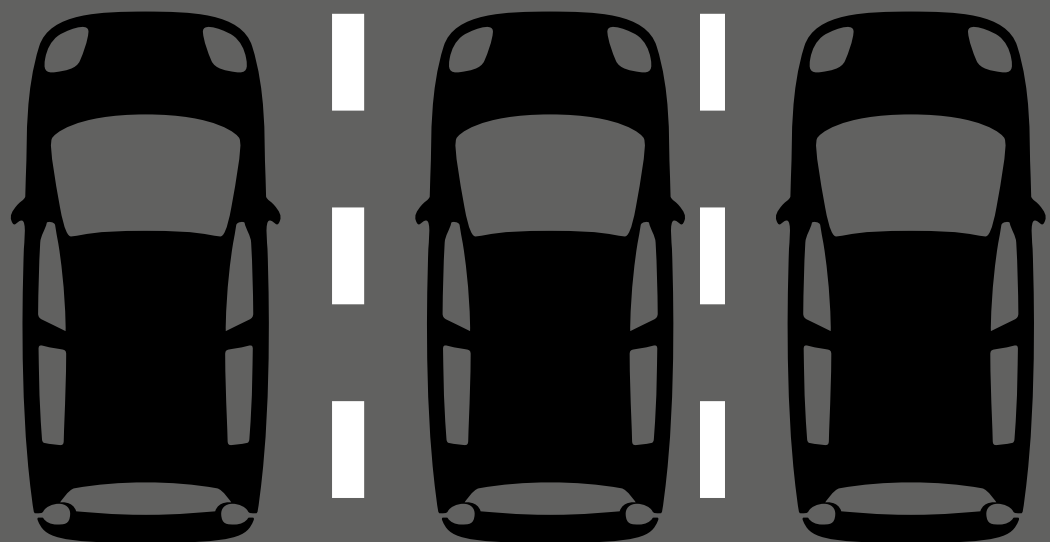
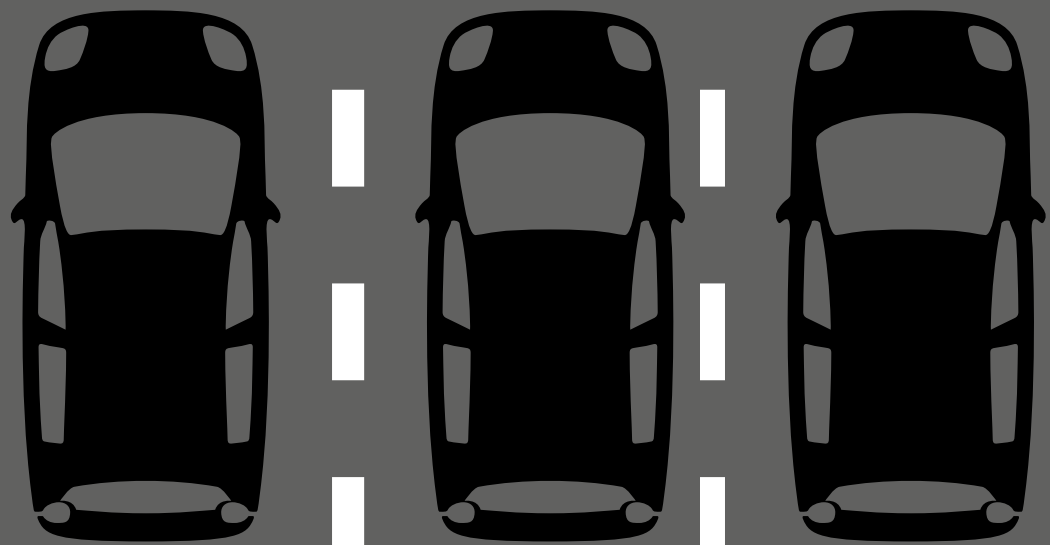
Lægri þyngdarpunktur

Minni bílar

Lítill titringur - endist lengi

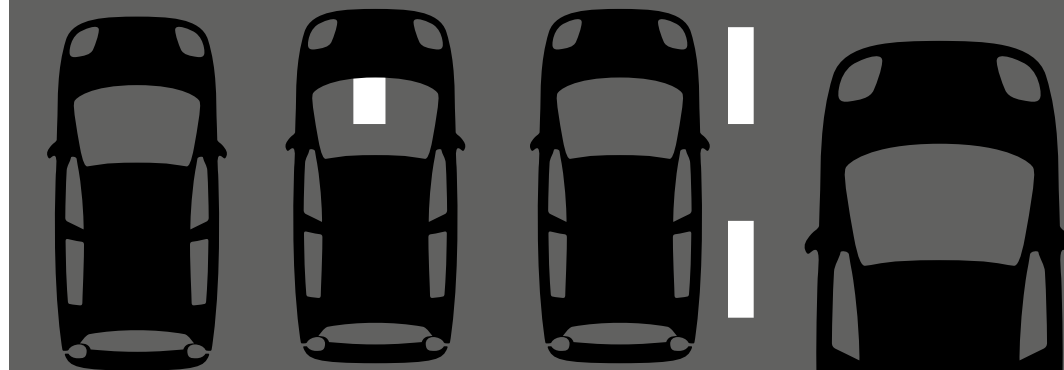
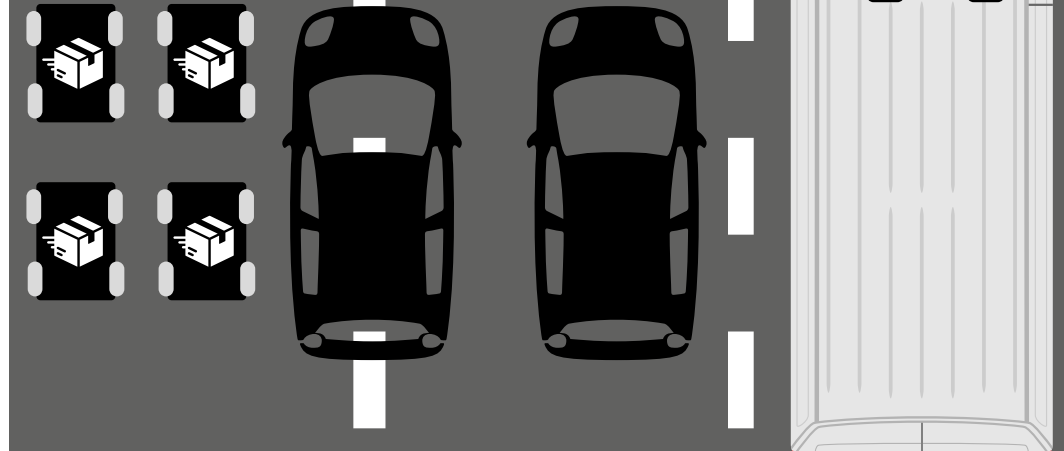
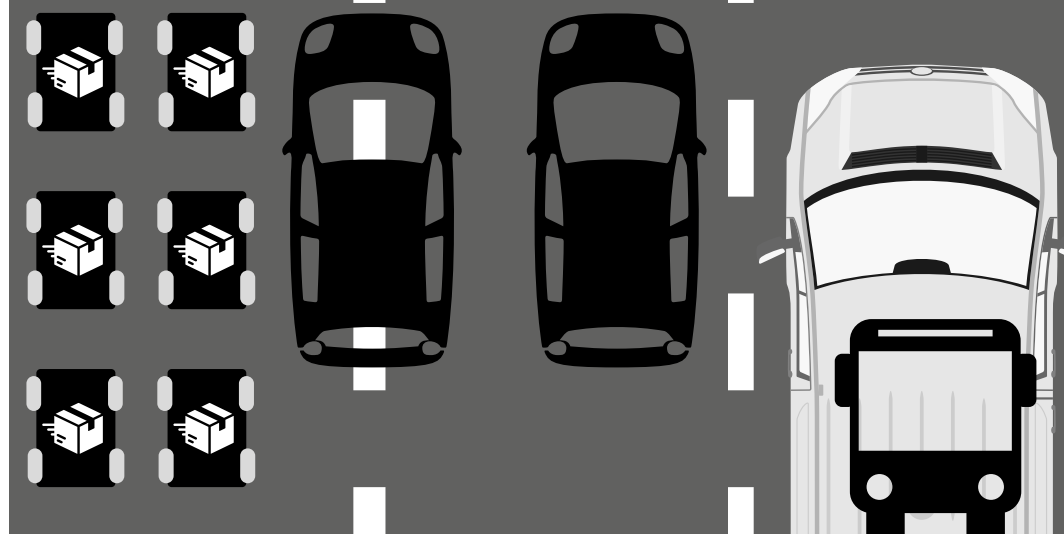
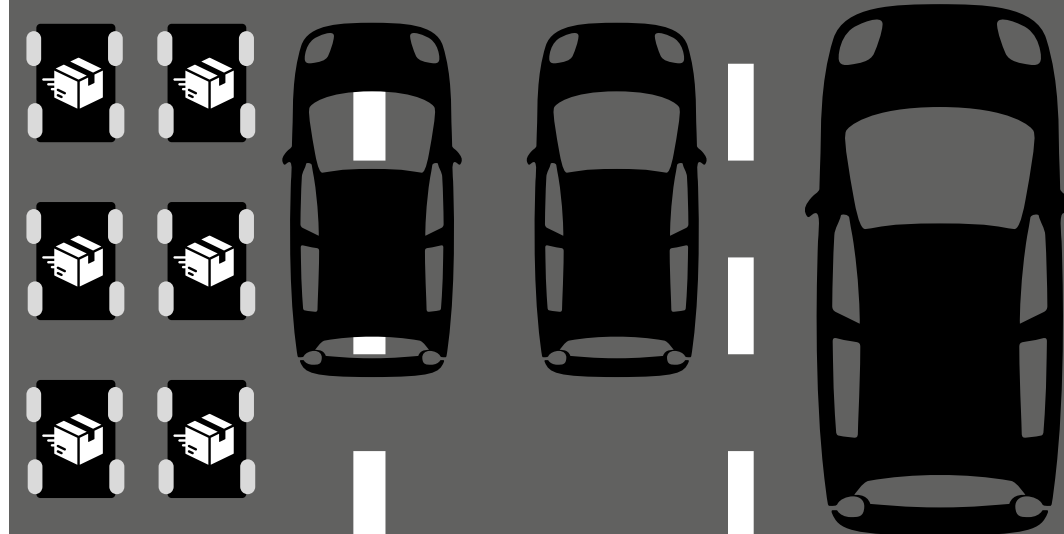
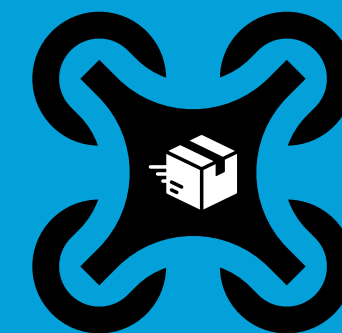
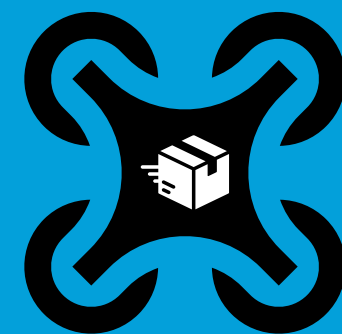
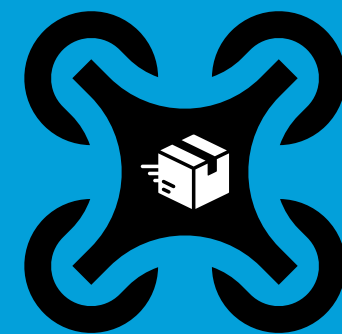






Með lægri  
þyngdarpunkti  
koma fram mjórri  
og styttri ökutæki.

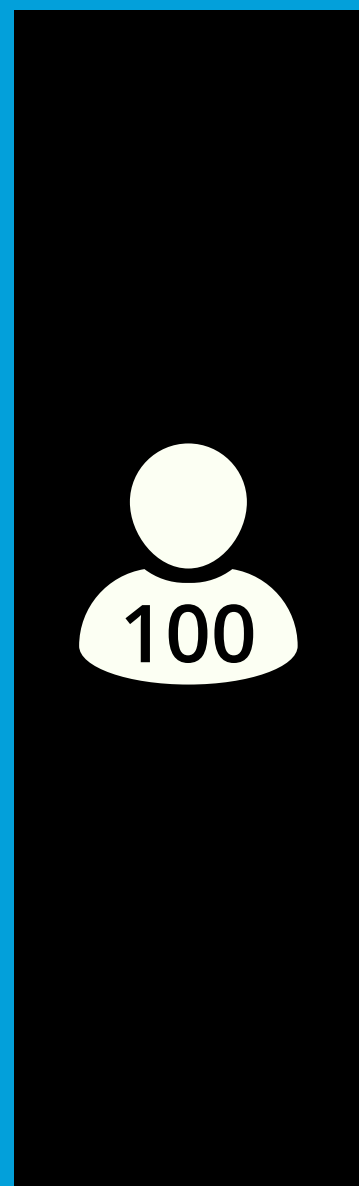
Sjálfvirk ökutæki  
án ökumanns geta  
ferðast hratt,  
tekið lítið pláss og  
valda minni skaða  
við óhapp.



Auðveldara að setja umferð án  
útblásturs undir þak eða í göng?

Hvernig hafa hamborgar áhrif á  
fólksflutninga framtíðarinnar?

# Að hversu miklu leyti mun hugbúnaður stýra samgöngum?



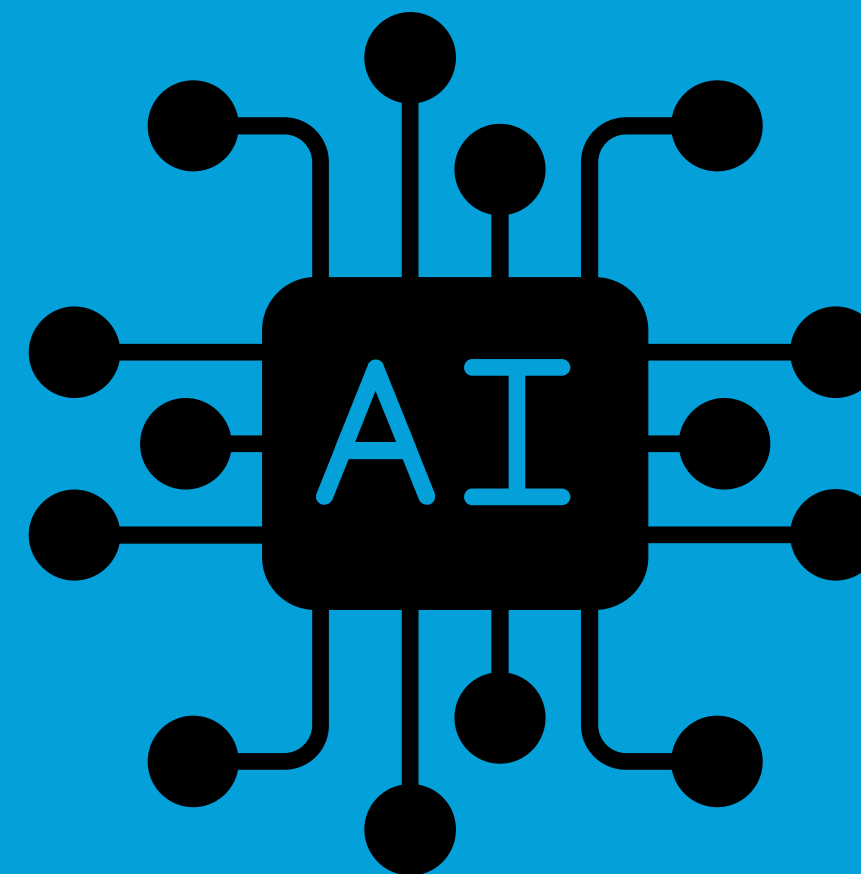
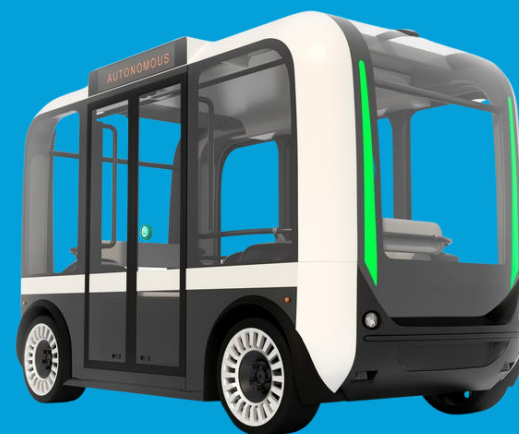
8 6 5

3 3 8

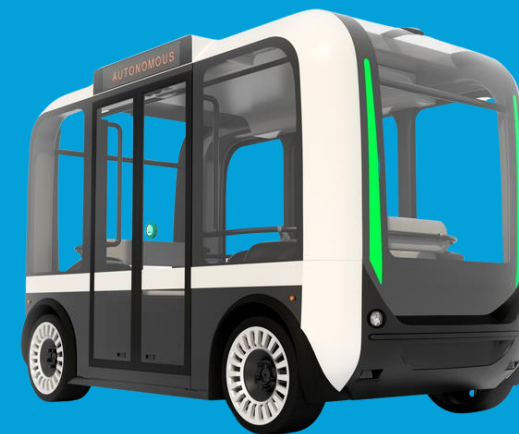
7 8 8

8 8 8

= 80



# Samgöngumátum mun fjölga áður en þeim fækkar mögulega aftur.



aha

Takk fyrir

Maron Kristofersson

[maron@aha.is](mailto:maron@aha.is)

<https://www.linkedin.com/in/maronk/>