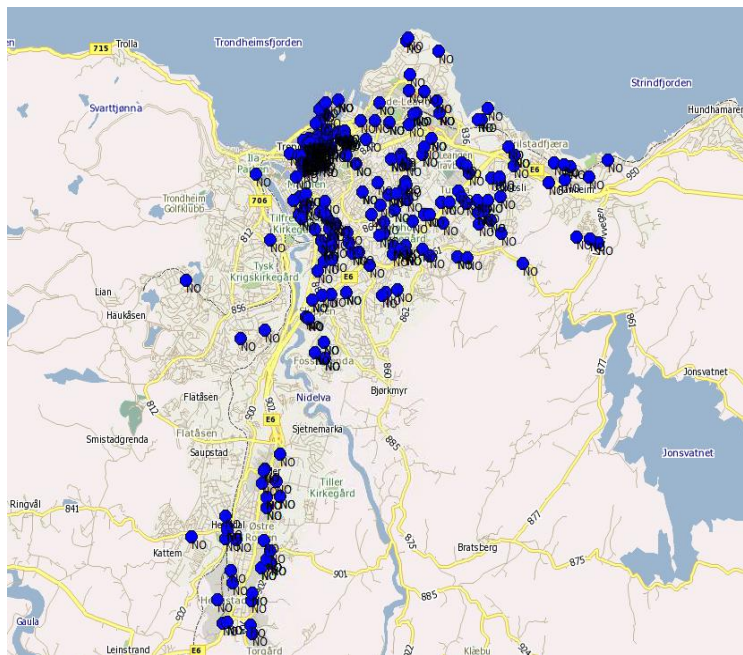


ASKO
– vi forsyner Norge med mat

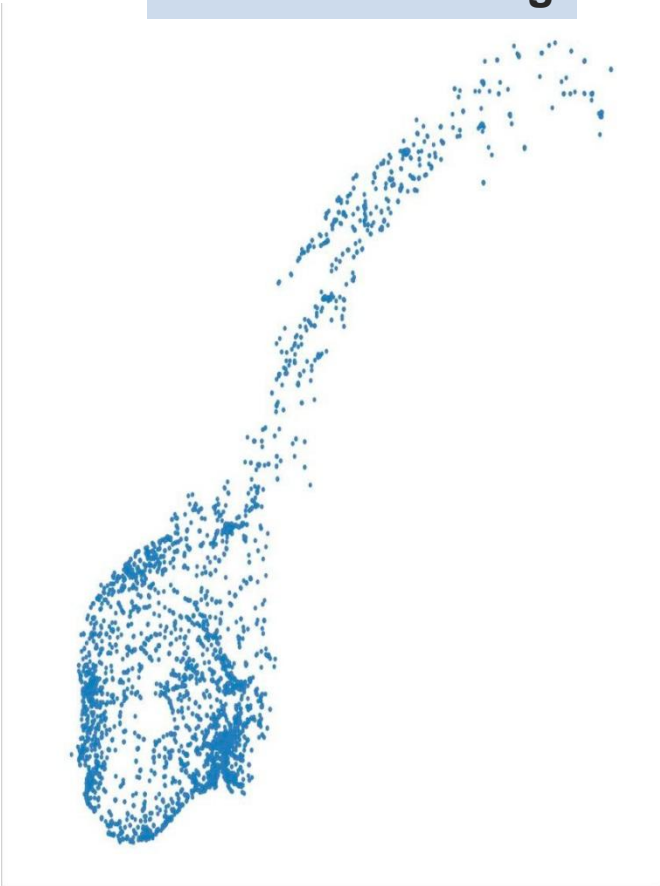
Brennstoff for fremtiden

September 2016

Mandagsleveranser Trondheim by



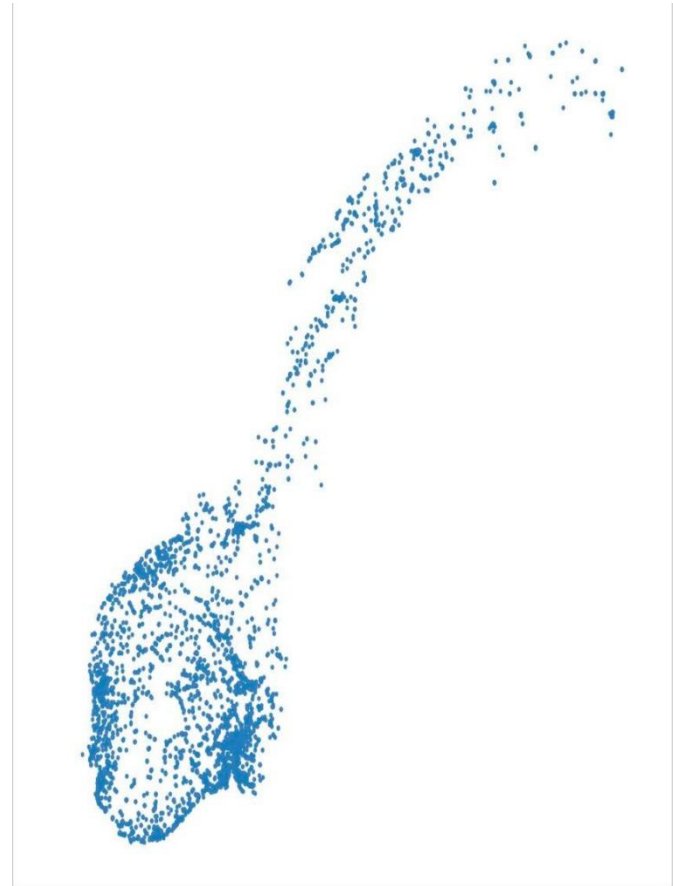
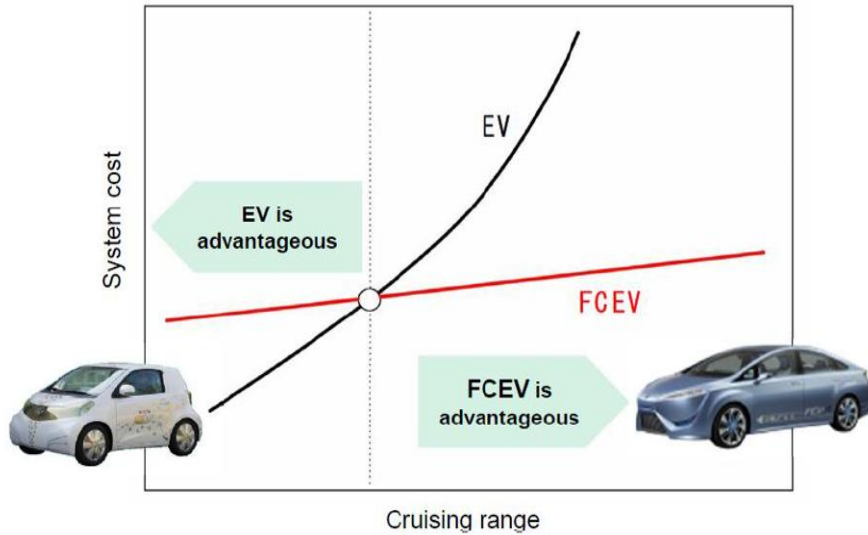
600 biler hver dag



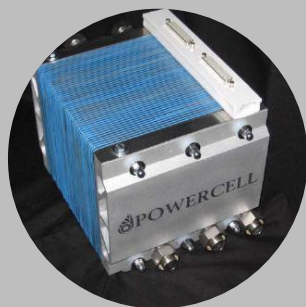
Brennstoff - hierarki

Elektrisk	Fra fornybar energi
Hydrogen	Brenselcelle
Bioetanol	Biprodukt fra celluloseproduksjon
Biogass	Fra mat/ landbruksavfall
Biodiesel B100 (2.G)	Fra trevirke/mat og landbruksavfall.
Biodiesel B100	Basert på raps
Biodiesel B30	Basert på raps
Diesel B7	Fossilt

EV vs Hydrogen?



Hydrogen & Solkraft



REFORMERE
DIESEL TIL H₂



INFRASTRUKTUR
150 – 200 KG/ DAG



INTERNE
TRUCKER



DISTRIBUSJONS
BILER
3/4



SOLKRAFT
1,2 GWH

Totalprosjekt 70 mill

Pilot ASKO MIDT – NORGE
med støtte fra ENOVA

Scania og ASKO

VOLKSWAGEN

AKTIENGESELLSCHAFT

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STOCK TICKER

Preference: 120.40 €
 25/08/2016 | 05:35 pm
 Ordinary: 127.55 €
 25/08/2016 | 05:35 pm

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News

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Södertälje, 2016-08-18

Scania and Asko test hydrogen gas propulsion

Asko, which is Norway's largest convenience goods wholesaler, is continuing its investment in sustainable transport services. The company will together with Scania start testing trucks with an electric powertrain. Electrical energy is converted from hydrogen gas in fuel cells on board the vehicles. The hydrogen gas will be produced locally, using solar cells. The trucks will run in distribution service with distances of almost 500 km.

"This very interesting project represents a unique opportunity to test the fuel cell technology for conversion of energy to our electric powertrains in a challenging customer operating environment. The conversion of hydrogen gas to electrical energy on board trucks, which are operated for longer distances will thus provide value experience for Scania's continued development of electrified powertrains," says Nils-Gunnar Vågstedt, who is responsible for the development of Scania's hybridisation and electrified vehicles.