



**HONDA**  
The Power of Dreams

**Honda & Brint**



***“Honda strives to be a  
company that society wants  
to exist”***







- Soichiro Honda

# Historien

- 1999 – Første prototype brintbil FCX-V1
- Udviklingen har været igang lige siden
- 2008 - FCX Clarity første produktionsmodel
- Udvilking af Honda brintstationer

## History

### Honda—the fuel cell challenge continues

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| <p>1999 • Prototype fuel cell vehicles FCX-V1 (hydrogen-fueled) and FCX-V2 (equipped with methanol reformer) introduced</p> <p>2000 • Prototype fuel cell vehicle FCX-V3 introduced (pressurized hydrogen tank and ultra-capacitor)</p> <p>2001 • Public road testing of the FCX-V3 begins in Japan<br/>• Prototype fuel cell vehicle FCX-V4 with extended range introduced</p> <p>2002 • Honda FCX-V4 receives certification from Japan's Ministry of Land, Infrastructure, Transport and Tourism for use on public roads<br/>• Honda FCX becomes first fuel cell vehicle certified by the U.S. EPA and Japan's Ministry of Land, Infrastructure, Transport and Tourism for use on public roads<br/>• FCX fuel cell vehicles delivered on the same day in the U.S. and Japan</p> <p>2003 • Experiments begin in the U.S. with a Home Energy Station, which offers hydrogen fuel generation and cogeneration functions<br/>• Release of the Honda FC Stack, capable of power generation at temperatures as low as -20°C</p> <p>2004 • FC Stack-equipped FCX supports the Tokyo-Hakone Ekiden Relay Race</p> | <p></p> <p></p> <p></p> | <p>• Honda FC Stack-equipped FCX leased to the State of New York<br/>• Honda FC Stack-equipped FCX certified for use on public roads by Japan's Ministry of Land, Infrastructure, Transport and Tourism</p> <p>2005 • Honda FCX becomes Japan's first fuel cell vehicle to receive Motor Vehicle Type certification from Japan's Ministry of Land, Infrastructure, Transport and Tourism<br/>• Honda FCX becomes world's first fuel cell vehicle leased to an individual customer<br/>• FCX Concept fuel cell vehicle displayed as concept car at the 39th Tokyo Motor Show</p> <p>2006 • Honda demonstrates the FCX Concept vehicle featuring a new compact, high-output V Flow FC Stack</p> <p>2007 • FCX Clarity introduced at the Los Angeles Motor Show<br/>• FCX Clarity production begins; first vehicle completed</p> <p>2008 • FCX Clarity first leased to individual customers in U.S.<br/>• FCX Clarity displayed at the Toyoko Summit in Hokkaido, Japan</p> <p>2008 (planned) • FCX Clarity to be leased to individual customers in Japan</p> | <p></p> <p></p> <p></p> |
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# Clarity - fra koncept til virkelighed



# 2015 Honda Clarity

Honda Clarity er bygget til at fungere og køre som en vanlig benzin/diesel bil, men med et futuristisk brintbils look

***“Man Maximum – Machine Minimum”***

5 personers rummelig luksus sedan – Easy to drive

Km/fuld tank - 760 km

Optankningstid – 3 min

Effekt – 176 hk

El – Hybrid – Brint  
→ Clarity platform

Prisgæt: 600.000 kr  
→ Leasing





# Visioner

- Fuld fokus på brint i forhold til el/hybrid
- 200 Honda Clarity leveres i Japan i 2016
- Start-up USA primo 2016
- Start-up Europa sommer 2016
- Kundeordre 2017
- 2020 plan
  - Honda brintstationer
  - OL 2020, Tokyo
  - Så mange brintbiler som muligt kørende
- Honda & GM samarbejde
  - Ny fælles fabrik
  - Data deling



# Honda Clarity og Danmark (HyFive)

- København valgt som testby
- Danmark har EU's bedst dækkende netværk af brintstationer
- 6-10 Honda Clarity i EU til test, 3 til London og 3 til København
- Danmark var tidligere forgangland for den daværende Honda brintbilen i EU under COP15 i København 2009

