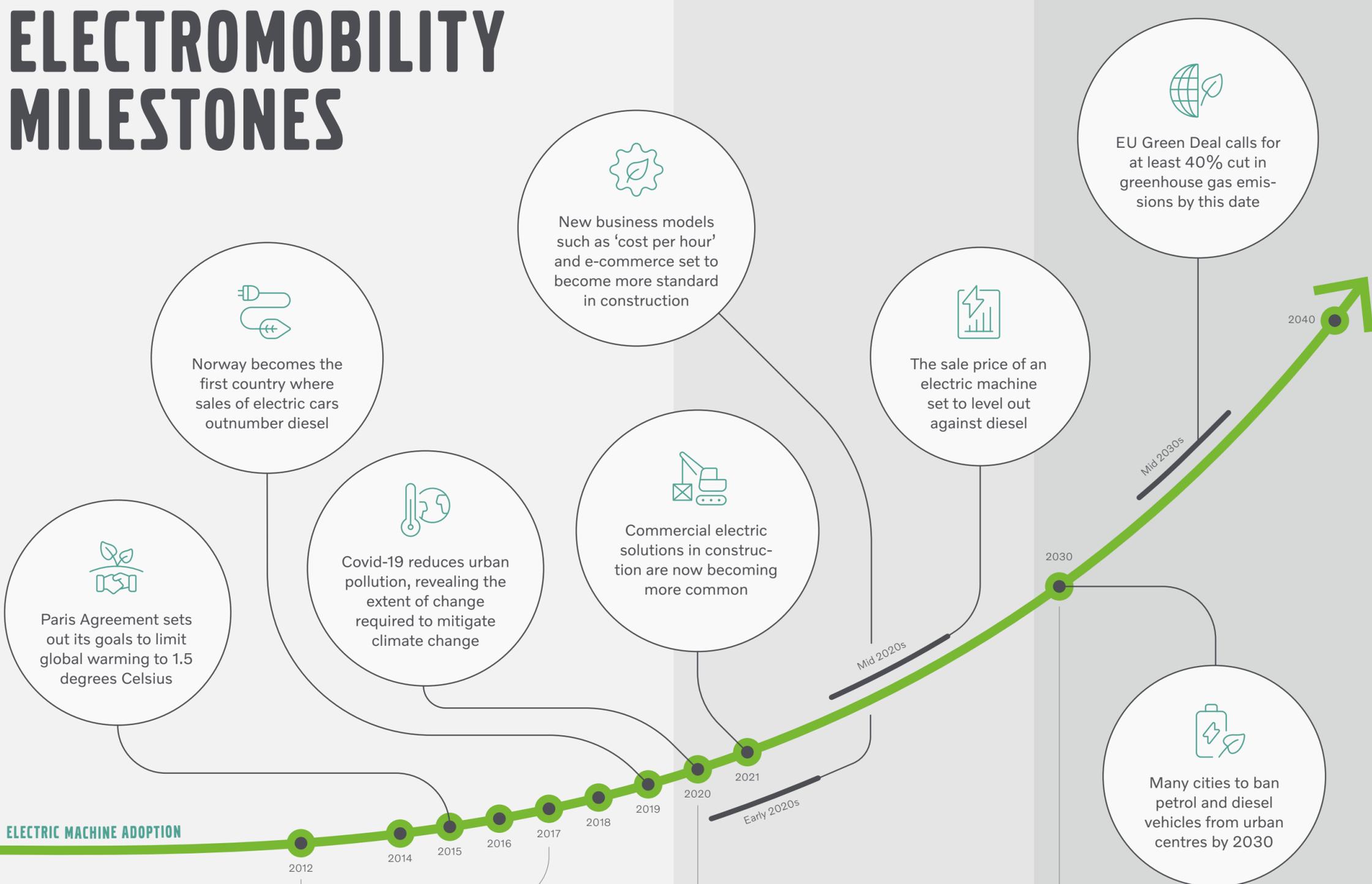


ELECTROMOBILITY MILESTONES



ELECTRIC MACHINE ADOPTION

CONCEPT & COMMITMENT

2012

Volvo CE begins work on first concept electric machines.

2014

Volvo CE launches Construction Climate Challenge (CCC) to promote sustainability throughout the construction value chain.

2015

Volvo CE commits to WWF Climate Savers program to develop innovations for a zero-emission society.

2016

Introduction of Volvo CE's futuristic hybrid, battery electric and autonomous concept machines LX01 and HX01.

2017

Volvo CE unveils the next generation electric load carrier concept, the HX02, and the EX02, an award winning fully electric compact excavator prototype.

2018

Carbon emissions reduced by 98% when Volvo CE and Skanska record ground-breaking results from the Electric Site research project, the world's first 'emission free' quarry.

2019

Volvo CE makes industry-first commitment to electromobility for its compact machine range, stopping new diesel engine-based development.

2020

Volvo Group commits to Science-Based Targets.

COMMERCIALIZATION

2020

Volvo CE electric compact machines now commercially available.

Volvo CE unveils first electric customer pilot in China.

Volvo CE introduces mid-size electric prototype machine EC230.

Volvo Autonomous Solutions industrializes its autonomous electric hauler TA-15 with a customer pilot transporting material from site to landfill.

2021

Volvo Energy launched to develop battery and charging infrastructure framework.

Mid 2020s

Customer testing for Volvo Group hydrogen fuel cell electric vehicles to start as part of cellcentric initiative.

COMMONLY ACCEPTED

2030

35% of all vehicles sold as part of Volvo Group will be electric.

2040

Volvo Group to be 100% fossil free.

