



Energies durables pour tous

Grand Nancy, 2012/06/24

The way to sustainable mobility solutions

Joachim Betker - smart France

Why We Need Sustainable Mobility Solutions



Growing World Population



Growing Mobility Need



Ecological Awareness

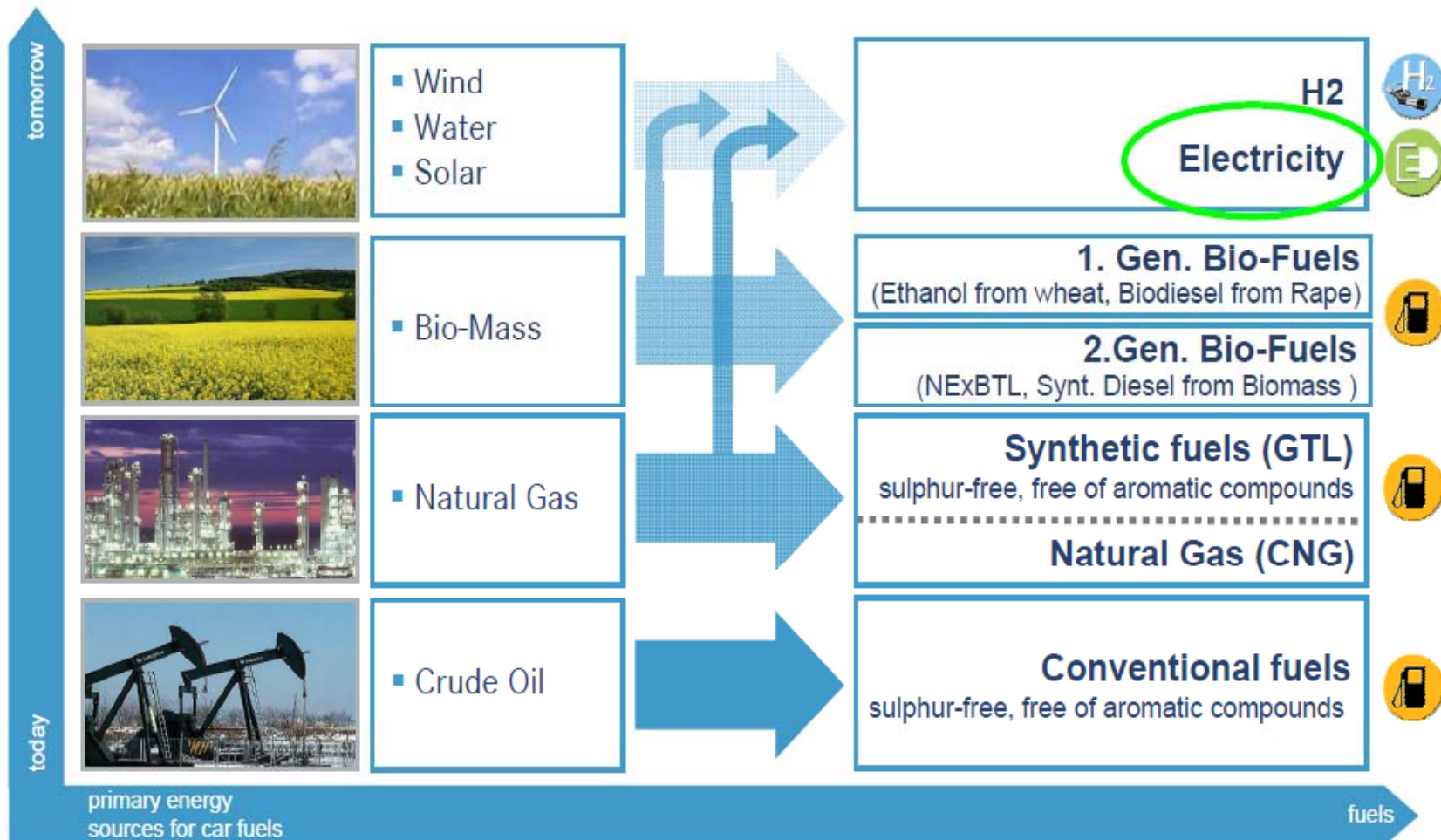


Limited Resources



Climate Change

- > Worldwide rising demand for mobility will increase CO₂ emissions
- > Fossil resources are limited and will therefore become more expensive



> Evolution to fuels of renewable energy sources

Optimization of our vehicles with high-tech combustion engines



BlueEFFICIENCY



CGI

BlueTEC

DIESOTTO

Hybridization for further increase in efficiency



HYBRID

Range Extender

Plug-In

Emission-free driving with fuel-cell/ battery-electric vehicles



Fuel-Cell

Battery-/E-Drive



Clean fuels for combustion engines

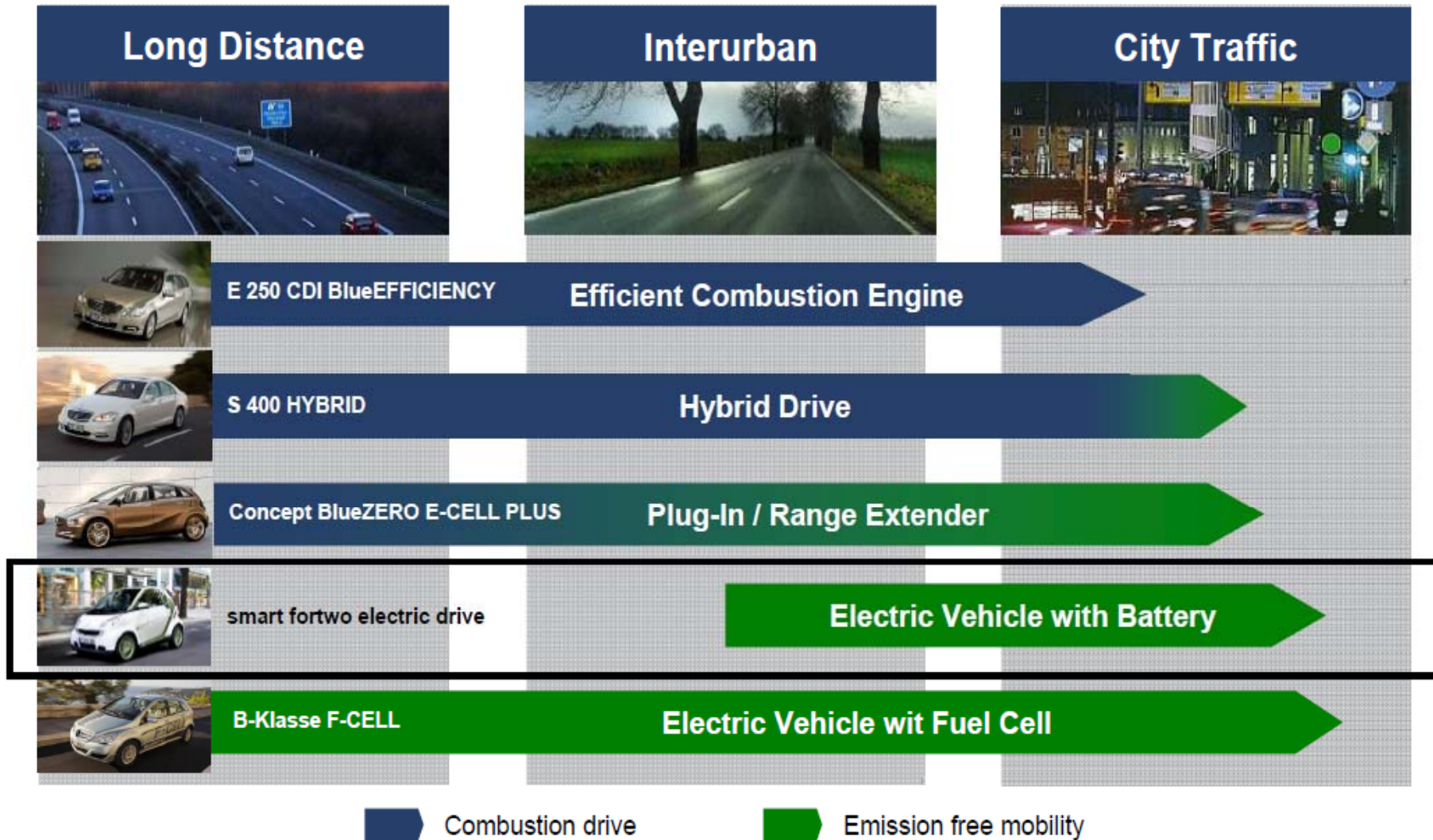
Energy sources for the mobility of the future



Emission free driving

Drive Portfolio for the Mobility of Tomorrow

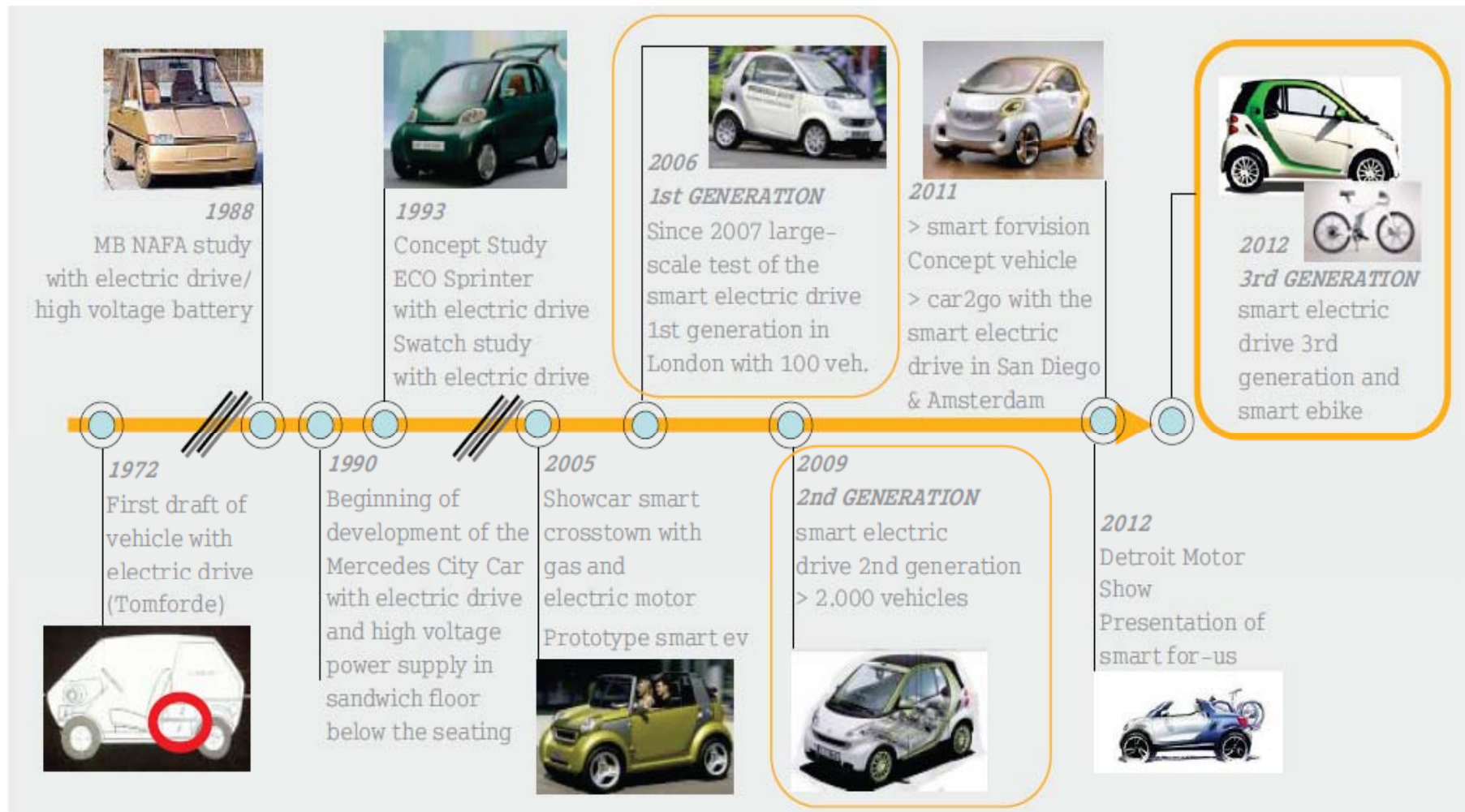
> Different mobility scenarios



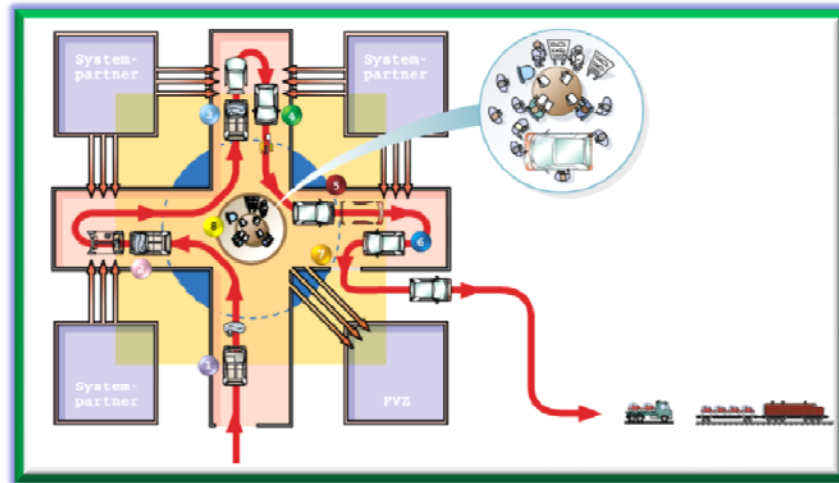
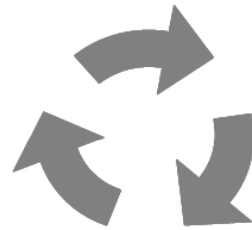
History of electric mobility



- > Since the beginning, the electric drive was an inherent part of the smart concept
- > The smart fortwo fulfills all the requirements to become the perfect electric car



smartville : the production site of the smart ed



The electric car is three times as effective
as the internal combustion car



30 kg

600 km autonomy

Energy density 43 MJ/kg

Energy content 1300 MJ

Energy-efficient 2,15 MJ/km



140 kg

150 km autonomy

Energy density 0,9 MJ/kg

Energy content 126 MJ

Energy-efficient 0,84 MJ/km

A new approach to mobility needs new infrastructures



smart fortwo electric drive, smart ebike and smart escooter: intelligent solutions for locally emission-free mobility in the city

