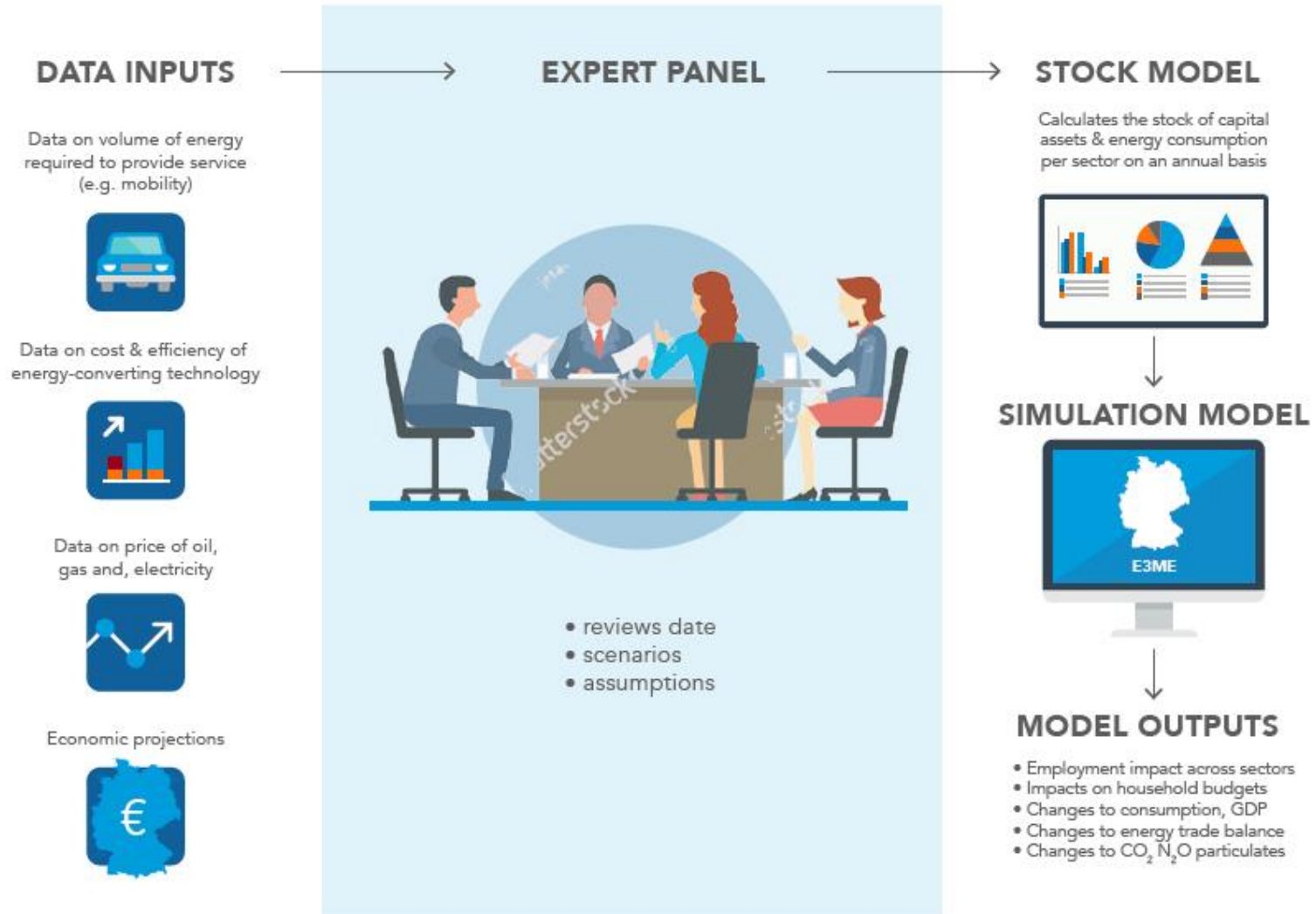
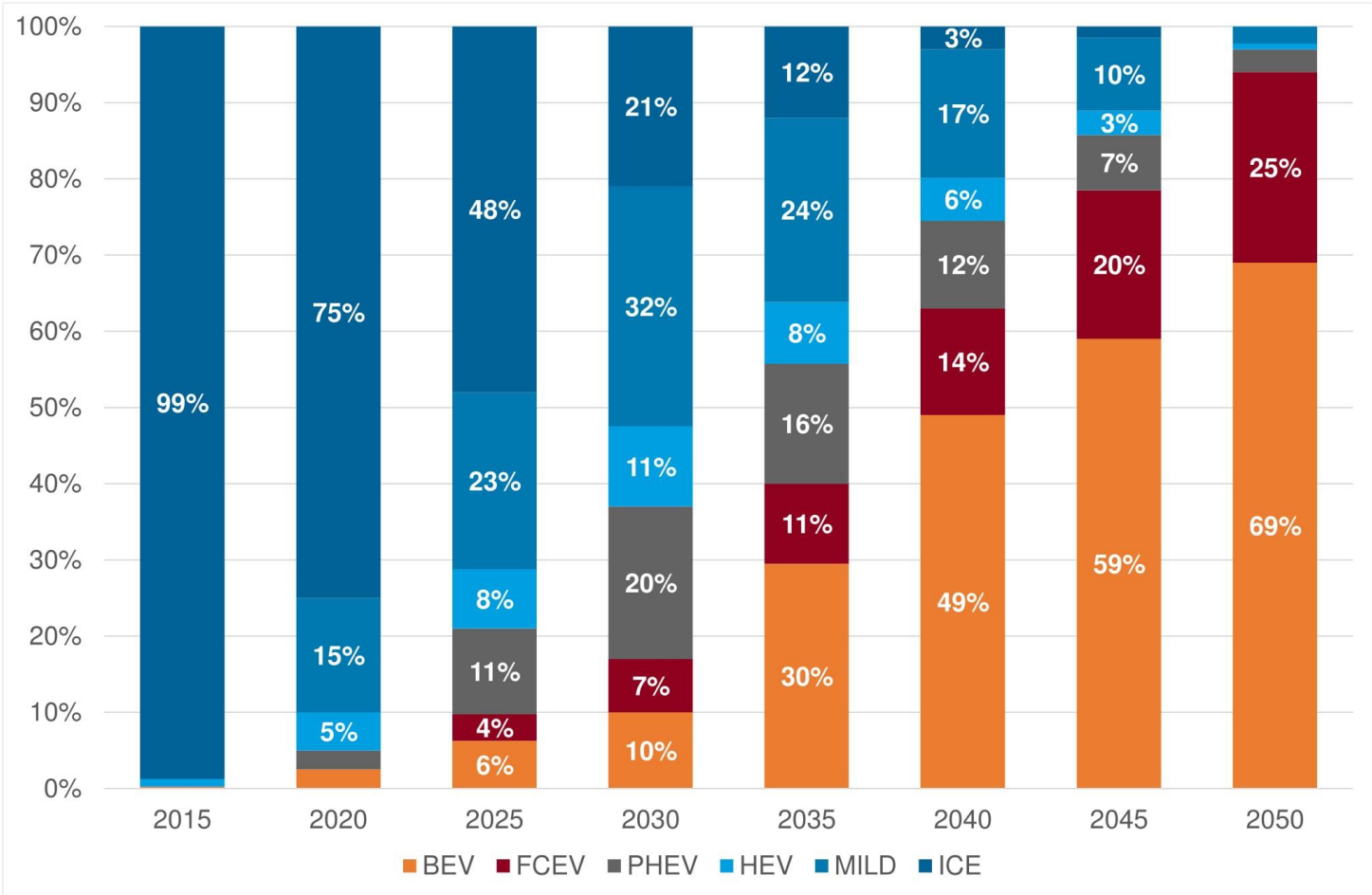


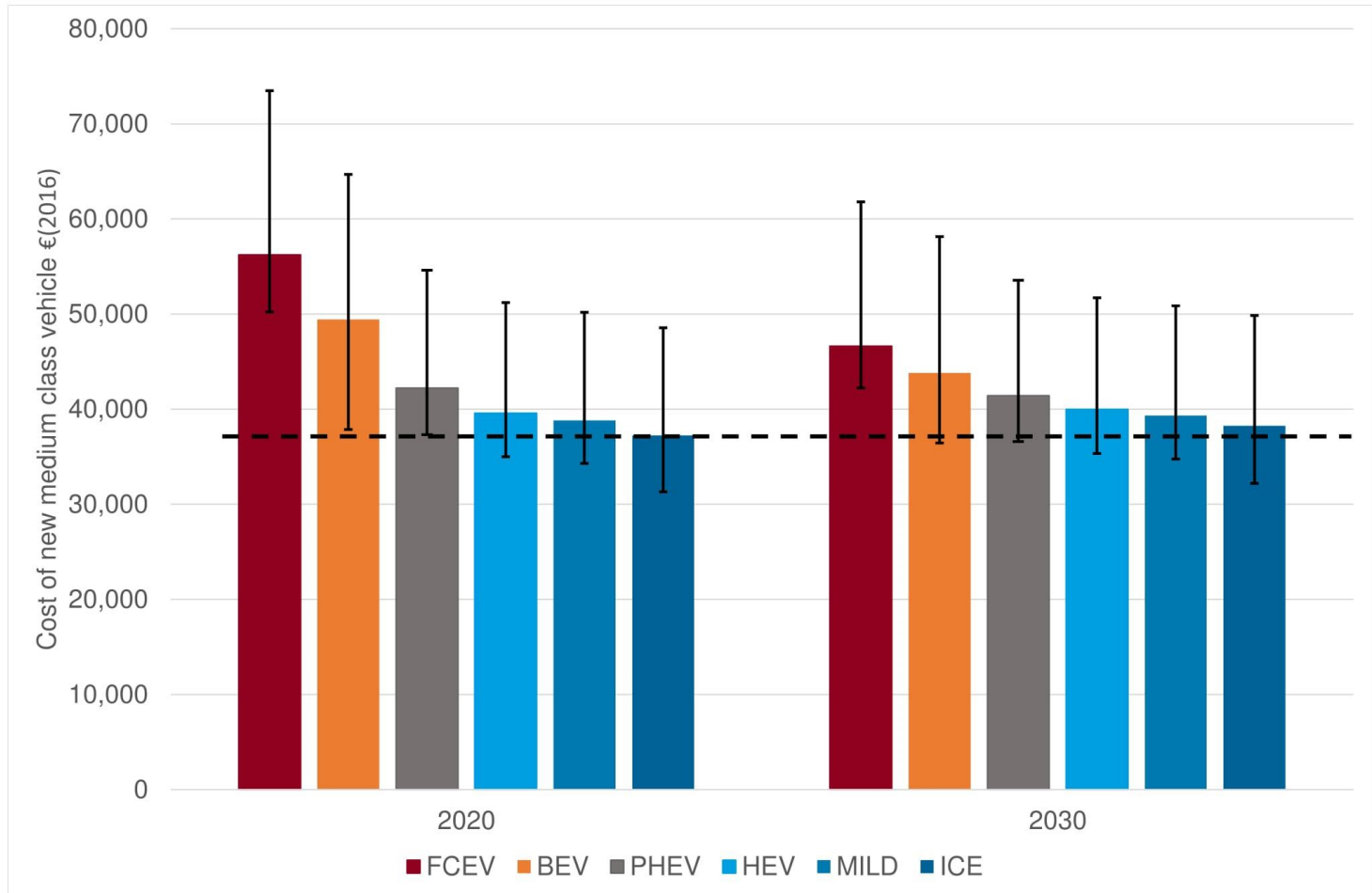
# Modelling approach for *Fuelling Europe's Future*



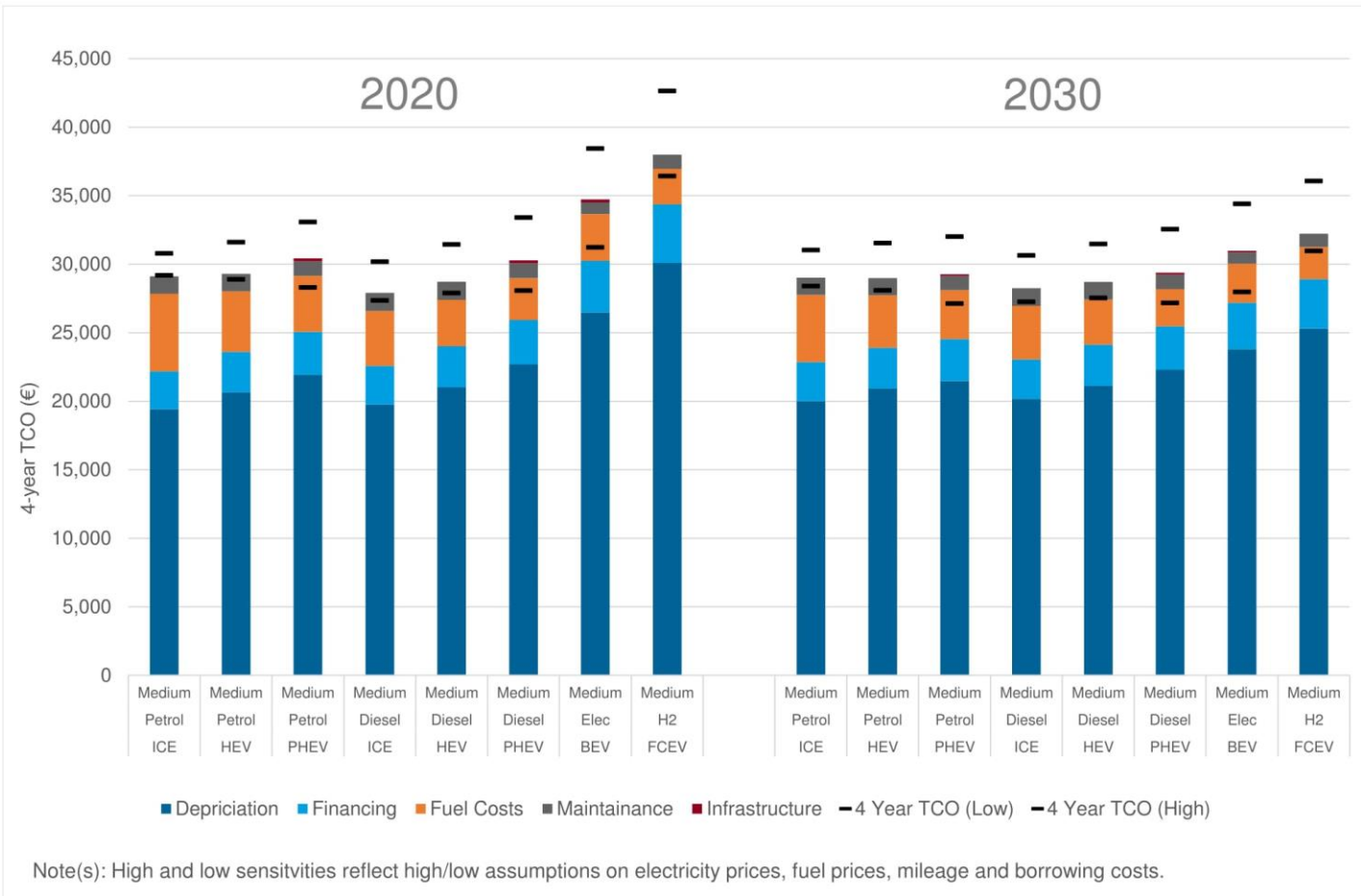
# The low-carbon scenario closely mirrors EU policy, OEM announcements



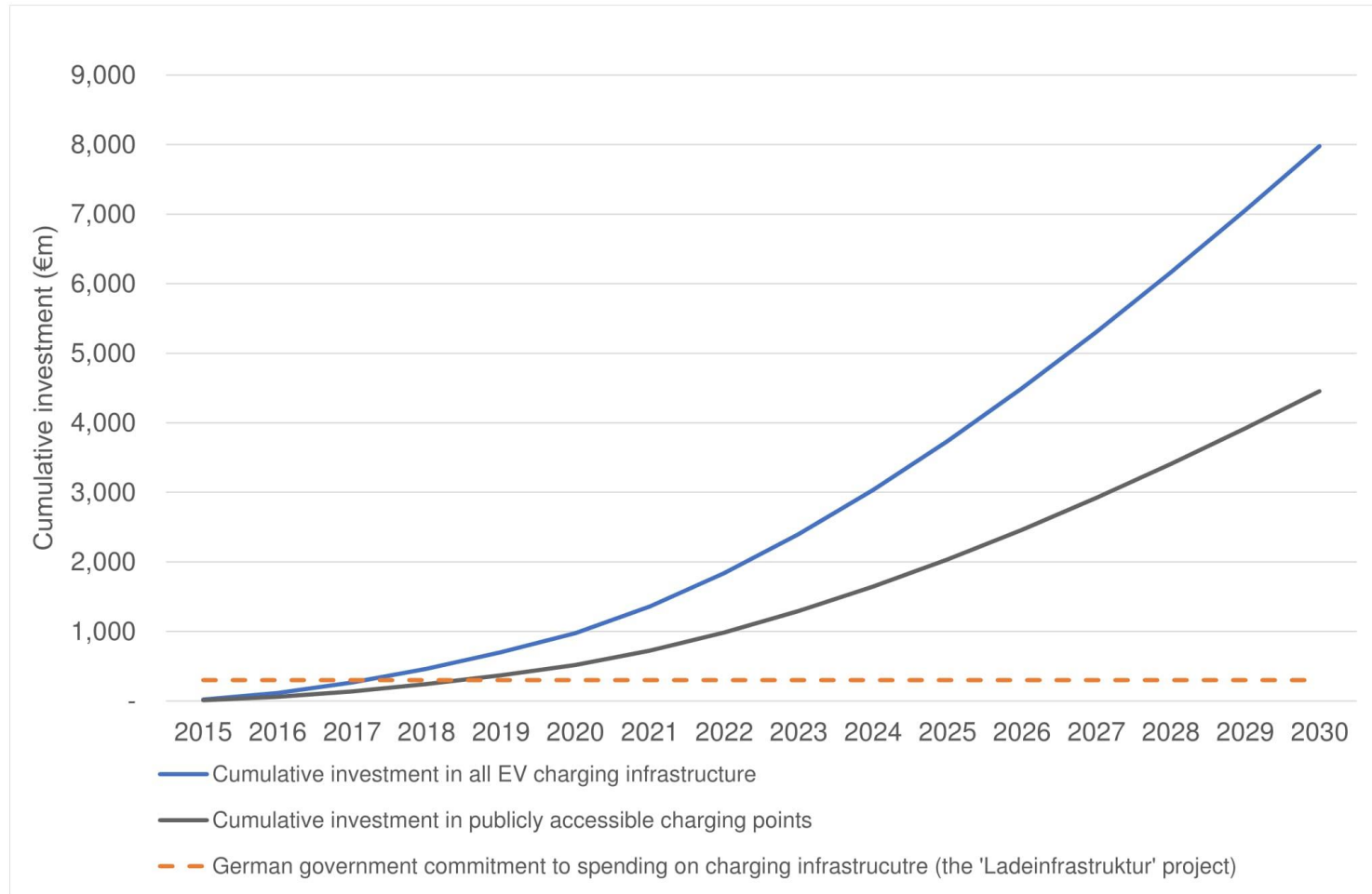
## Marginal cost of ICE increases to 2030; cost of e-drive reduces



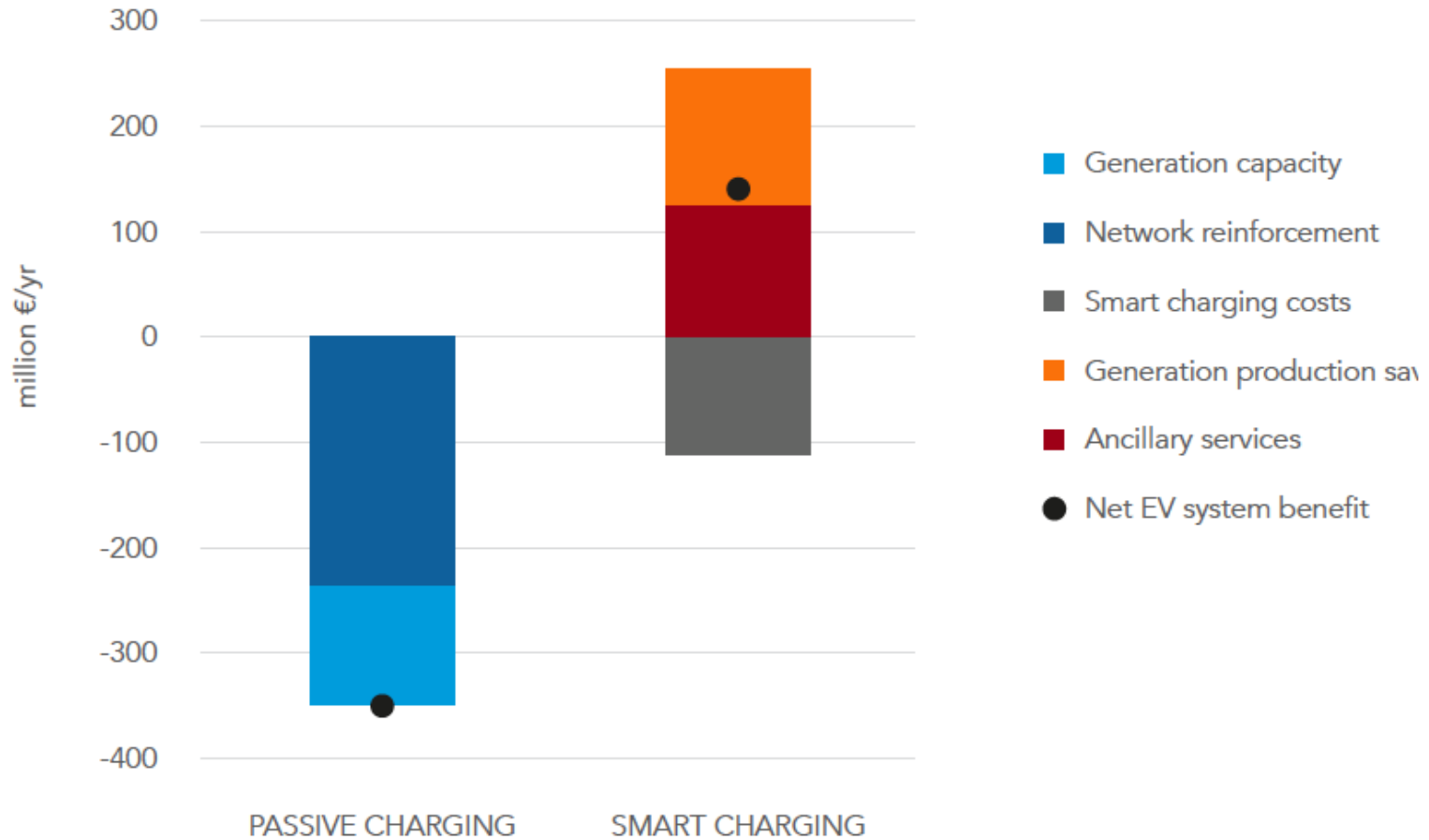
# Total cost of ownership converges around 2030



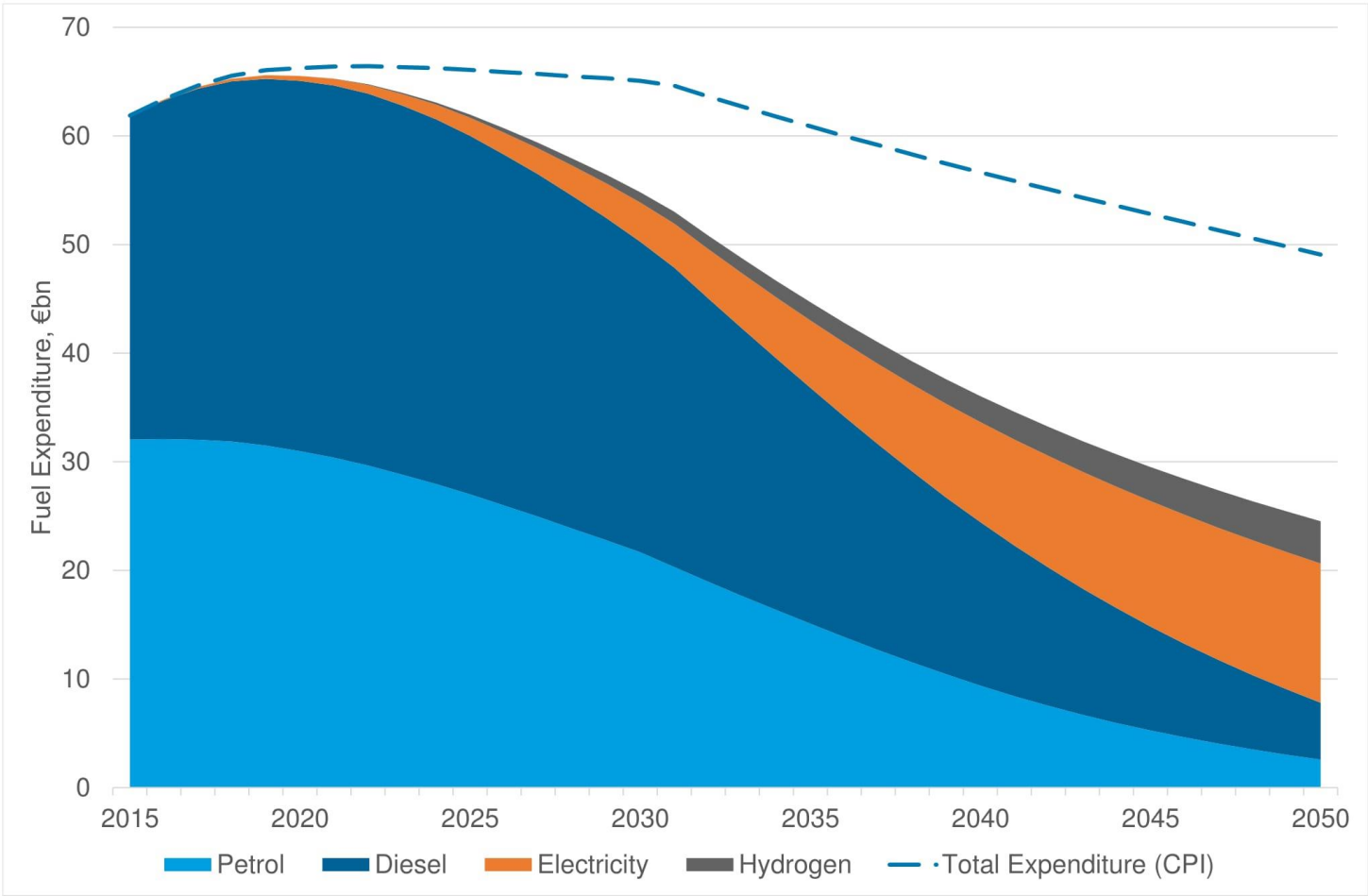
## Several €billion on charging infrastructure by 2030



# Smart charging can offset grid reinforcement costs

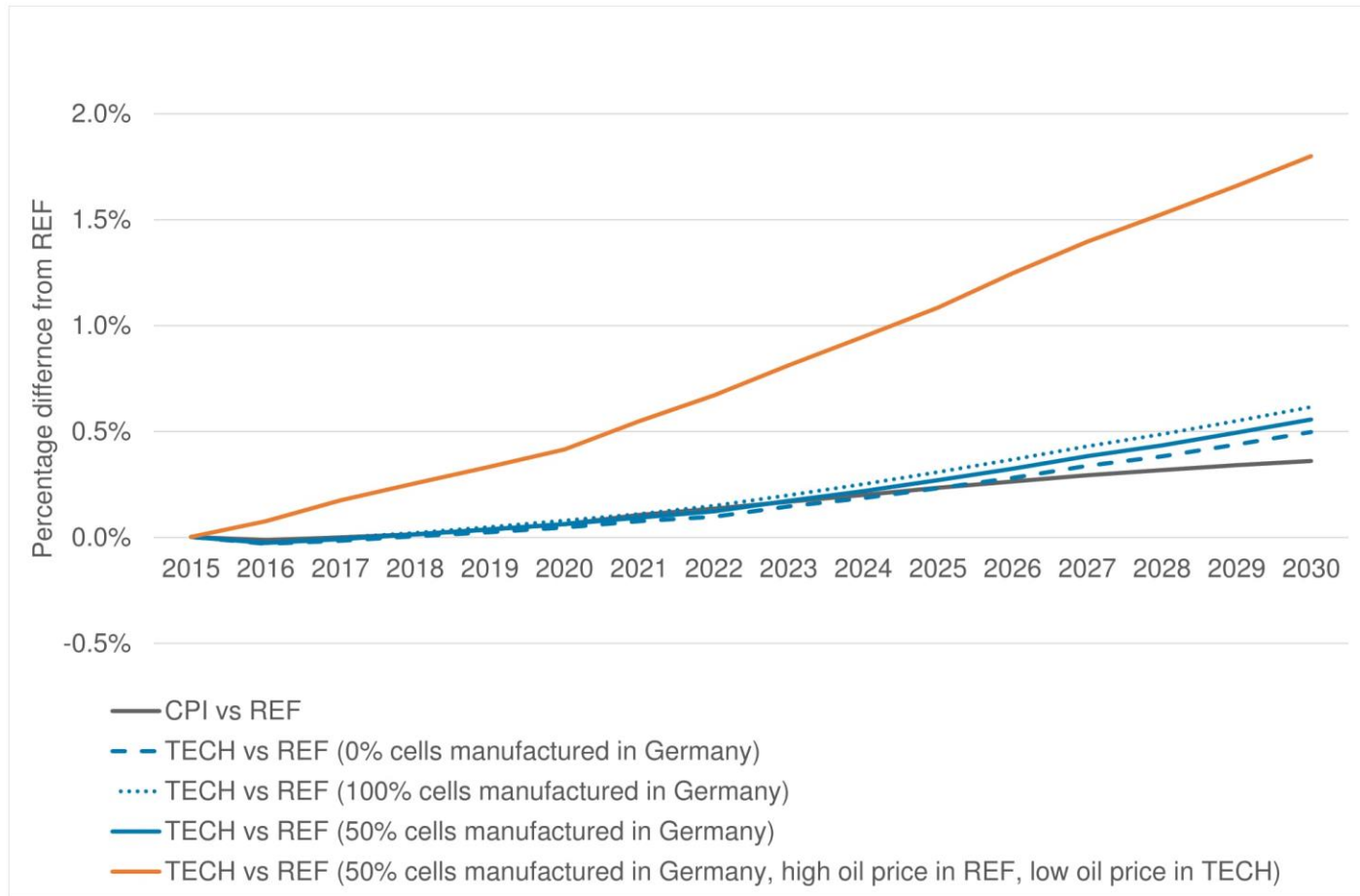


# National fuel spending declines sharply in central case

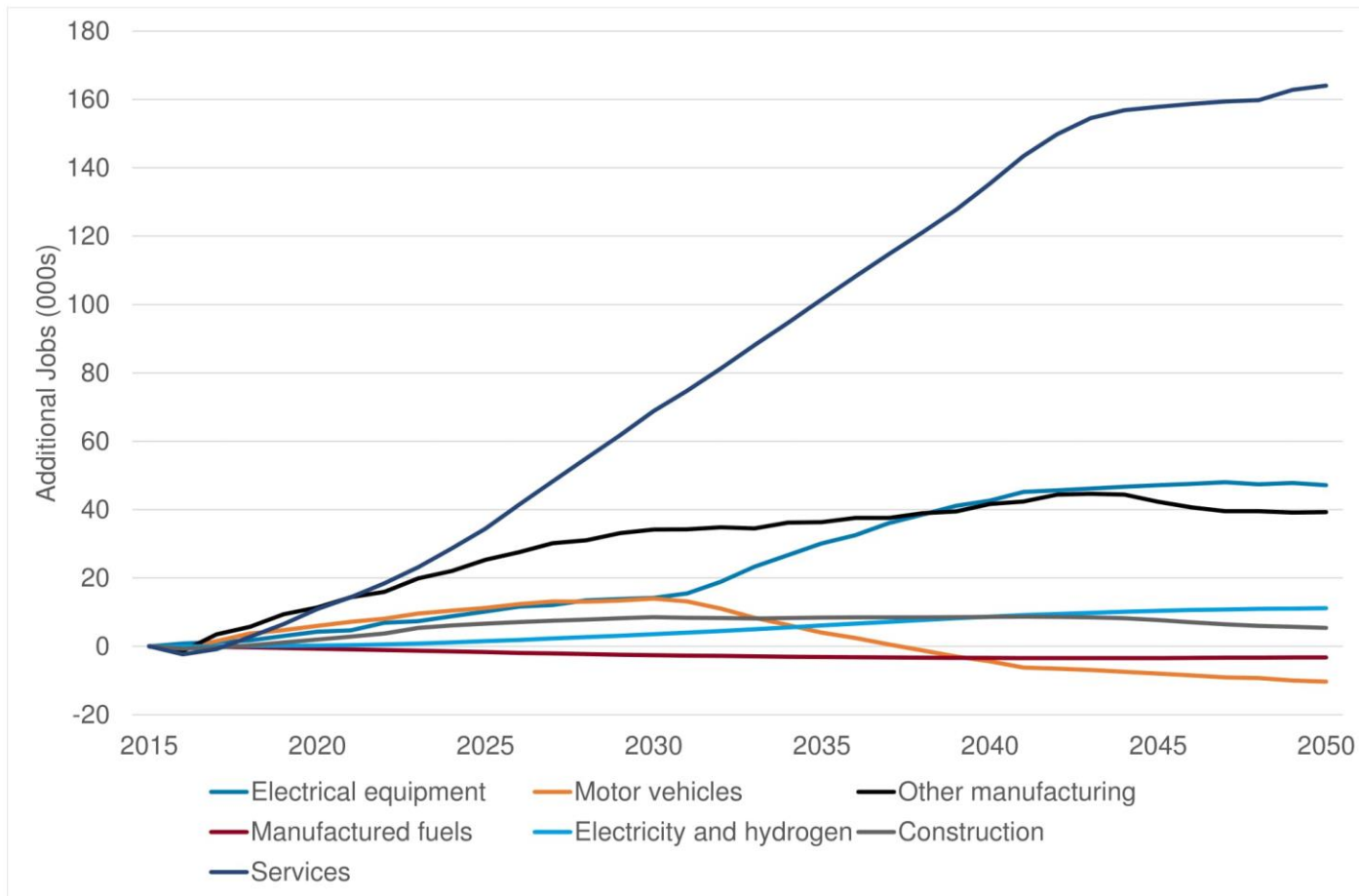




# GDP gains due to efficiency, e-mobility, crude prices



## Employment impacts are felt across multiple sectors



## The net economic impact has been positive where studied

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	<b>GDP 2030</b>	<b>Employment 2030</b>
European Union	+0.2-0.4%	+ 850,000
France	+0.2-0.4%	+66,000 – 71,000
Britain	+0.1%	+7,000 – 19,000
Germany	+0.5-0.6%	+145,000

## Key findings:

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- E-drive cars should reach cost parity during 2020s
- Infrastructure costs are high, but manageable
- Low-carbon mobility can deliver economic benefits BUT requires €billions in charging network
- Overall net employment is increased BUT skills/training challenges occur in auto sector
- Smart charging is essential to capture economic and environmental benefits