

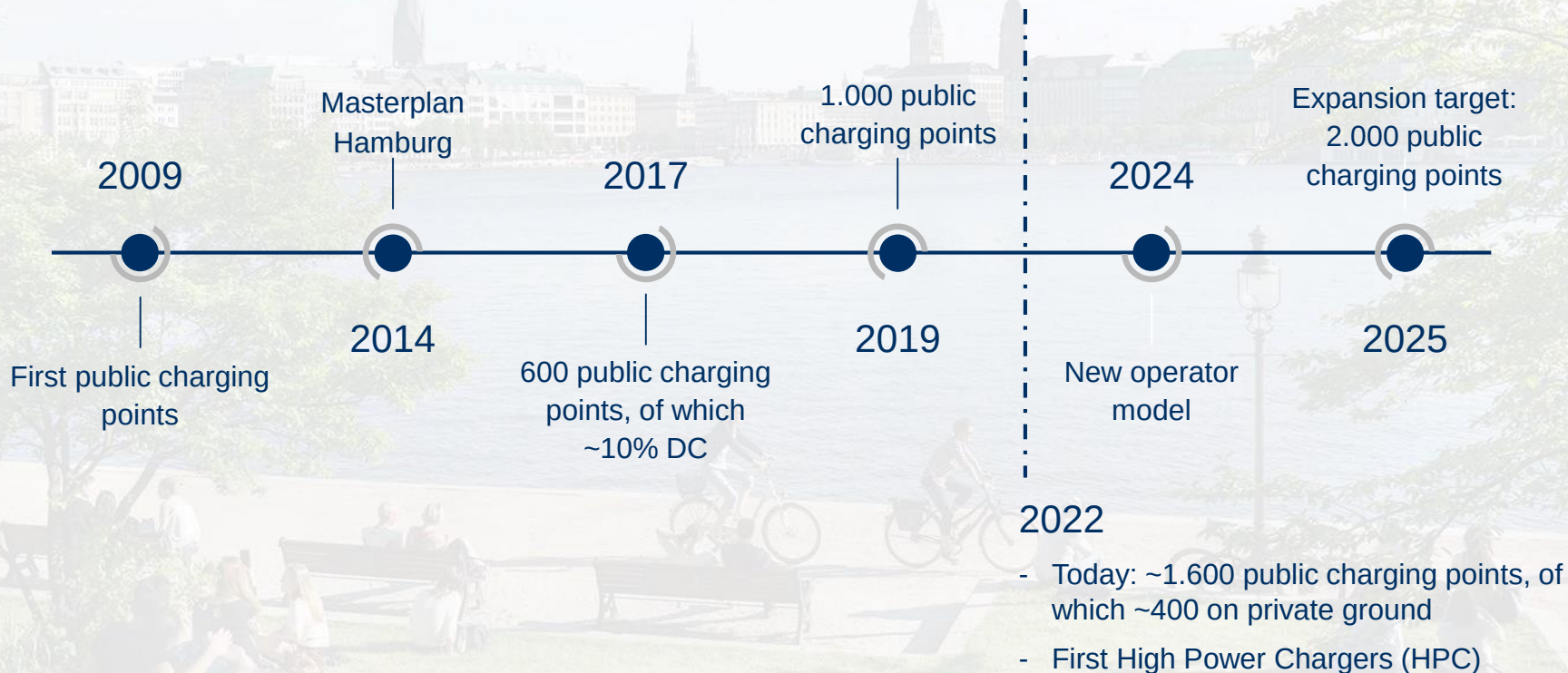
# Approaches to create charging infrastructure in Hamburg

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07.04.2022 | AGORA webinar Charging infrastructure in cities: A dialogue between the Netherlands and Germany

# MILESTONES

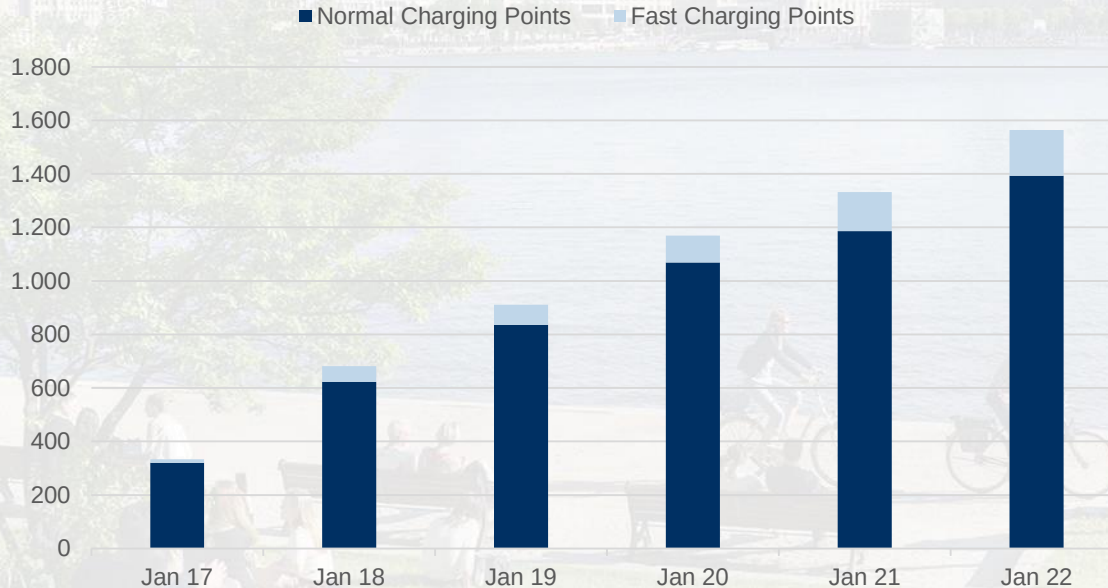


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# NUMBER OF CHARGING POINTS

Public accessible Charging Points in Hamburg



**Hamburg broke chicken-and-egg issue through early public actions**

→ High public investments: Public infrastructure is initially ahead of demand

→ User-friendly solutions and benefits (direct pay, transparent costs, free parking...)

→ Hamburg made E-Mobility visible and accessible with partners like Carsharing or MOIA

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# „HAMBURG MODEL“

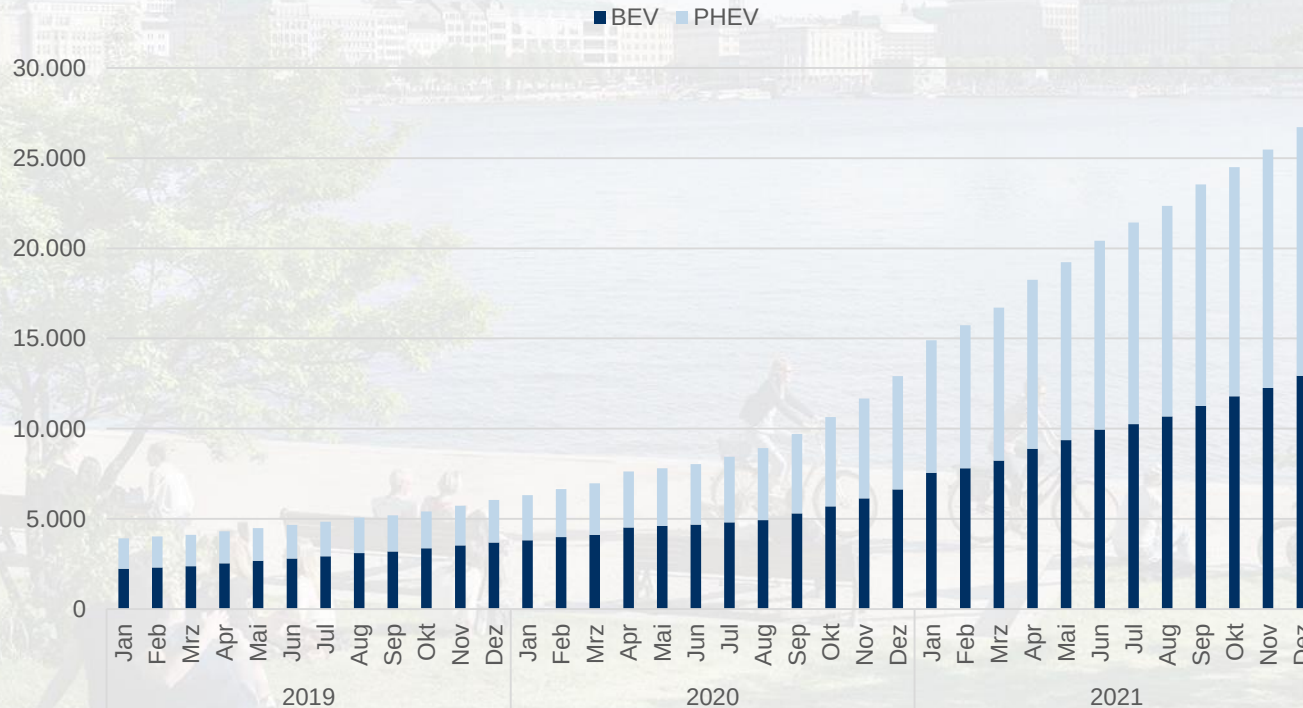
- Separation between CPO and EMP: Stromnetz Hamburg is CPO only.
- Non-discriminatory access for all EMP to the charging stations of Stromnetz Hamburg.
- Usage price of 12 cents / kWh net at normal charging points and 20 cents / kWh net at fast charging points for operation.
- All EMP can provide their own rates. Users can use RFID cards from various EMP (currently approx. 50). Model prevents monopoly situations, creates competition and user-friendly prices.



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# DEMAND: NUMBER OF ELECTRIC CARS

## Electric cars in Hamburg



In total about 800.000 cars  
in Hamburg:

~ 3.5% electric cars

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# FUTURE TASKS

## Ramp-up and demand driven installation of new charging points

- Meet targets of german government → 15 million BEV and 1 millions public accessible charging points by 2030
- Further increase of High Power Chargers

## Incentives to expand private charging infrastructure

- Support private charging infrastructure, e.g. ELBE
- Support private, but public accessible charging infrastructure

## Find the right correlation between private and public accessible charging infrastructure

→ 15 / 85?

→ 20 / 80?

→ 25 / 75?



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The background image shows a scenic view of Hamburg, Germany. In the foreground, a grassy park area with several wooden benches is visible. People are sitting on the benches and walking. In the middle ground, there is a body of water, likely the Binnenalster. In the background, the Hamburg skyline is visible, featuring several prominent church spires, including the spire of St. Nikolai Church. The text "Thank you!" is overlaid in the center of the image.

# Thank you!

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