



## Odense builds a modern tram network

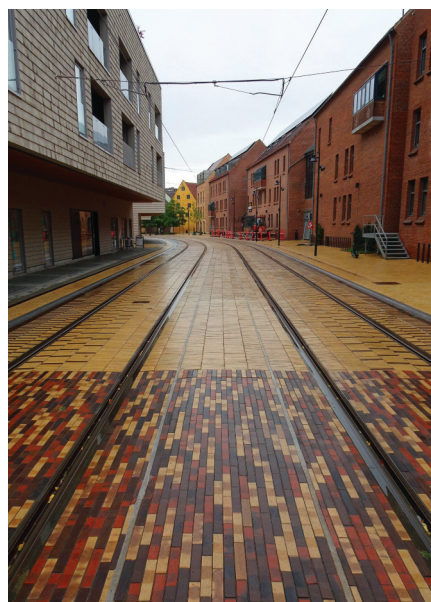
Odense is the third largest city in Denmark, with a population of ~182K, which is comparable to Cambridge. It is an historic city dating back over 4,000 years. The economy includes clothing, electrical and packaging industries and it is the sixth largest tourism centre in Denmark. Odense also has two universities.

Odense has a modern tram system, the first phase of which opened in 2022 at a cost of £379m (DKK3.3Bn). The tramway is 14.5km (9 miles) long and has 26 stations. The daily number of passengers is ~34k. The tramway is financed by the Odense Municipality, Danish State, and the Region of Southern Denmark.

The completion marked the beginning of a new chapter for the city's public transport. Improvements have been made to the urban realm and new options for citizen mobility

have made it easier to reduce the use of private cars.

The planned second line will be 7.5km (4.7 miles) long and has a budget of £218m (DKK1.9Bn).



... positively  
influencing citizen  
mobility behaviour  
and reducing the use  
of private cars



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## facts

<b>Case Study authors &amp; date</b>	Gordon Theobald (2024)
<b>Location</b>	Denmark
<b>City population</b>	182K
<b>Regional population</b>	208K
<b>City area</b>	79 km <sup>2</sup>
<b>Regional area</b>	306 km <sup>2</sup>
<b>Number of lines</b>	One (second line in planning / development)
<b>Number of stations</b>	26
<b>System length</b>	14.5km (9 miles)
<b>Length underground</b>	None
<b>Length on street</b>	Some shared
<b>Service frequency</b>	Daytime 7.5 minutes. Evening 15 minutes
<b>Top speed</b>	43 miles/hour
<b>Track gauge</b>	1,435 mm (4 ft 8+1/2 in)
<b>Number of trams by supplier(s)</b>	16 Stadler Pankow trams
<b>Opened (year)</b>	2022
<b>Cost per km</b>	£26M
<b>Passengers /year</b>	12M
<b>Passengers /day</b>	35K
<b>Operating costs (annual)</b>	Unknown
<b>Operating revenue (annual)</b>	~£17M
<b>Typical fare</b>	Adult: DKK10 (£1.70) Young: DKK10 (£1.10)