



# Railway Projects in Banedanmark

Suppliers Day 11.<sup>th</sup> April in Stockholm 2019

10.04.2019

Presented by Senior Market Analyst Cathrine Carøe

**banedanmark**

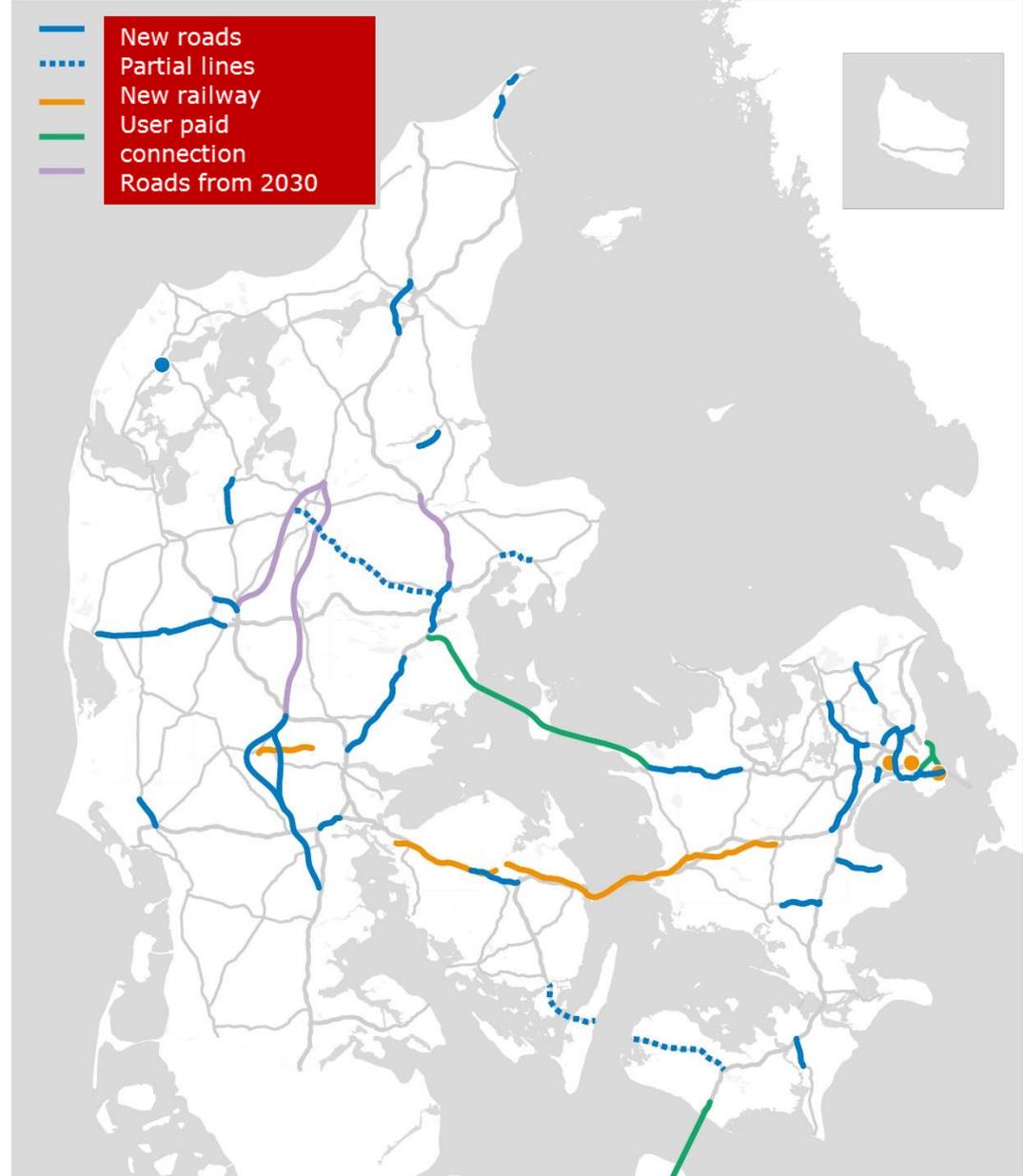


# Denmark

New potential projects for  
Banedanmark and  
Vejdirektoratet:

Investments for 110 Billion  
DKK (14,5 Billion €) 2021-  
2030

Railway and road prospects  
- not yet political agreed



# #468 Sporformyelse Slagelse st.

Budget: +150 M DKK.

When: 2020 Where: East

## Project: Station renewal

- New layout and renewal of tracks, signaling and platforms
  - o 18 switches.
  - o 2 bufferstops.
  - o 5,0 km track.
  - o 3,3 km substructure.
  - o 2 island platforms (tracks 2-5).
  - o 3,8 km drainage and associated bassin works.
  - o Signaling works (adaption to new layout).
  - o 8,8 km catenary works (adaption to new layout).
  - o Civil works (retaining wall and reinforcements).



# #473 Sporfornyelse og hastighedsopgradering (Hobro)-Aalborg.

Budget: +400 M DKK.

When: 2020

Where: West

- **Project: 62 km track renewal and HS upgrading.**
- 81 km sleepers renewal.
- 59 km ballast cleaning.
- 45 km track bed.
- Leads to high voltage cables.
- 44 switches renewal + 24 closure.
- Change 8 switches to derailer.
- Insulation of 6 bridges.
- Lowering tracks under 3 bridges.
- Maintenance of 12 bridges.
- Demolition of bridge and establishing of new bridge.
- Expansion of dams and prolongation of culverts.
- Reinforcements of sublayers and 4 km dams due to resonance.



# # 484/498 Sporfornyelse Vejle og Fredericia Station.

Budget: +100 M DKK.

When: 2020

Where: West

- **Project: Vejle (Vj): 3,17 km track renewal, Fredericia (Fa): 0,64 km track renewal**
- 3,17 + 0,64 km sleepers and ballast renewal.
- 2,4 + 1,440 km track renewal metal.
- 2 + 15 switches renewal.
- 1 friction buffers (Vj).
- 0,64 km of catenary works related (Fa).
- Interlocking and cable works related.
- Insulation of 2 bridges (Vj) –  
(only de- and reconstruction off the track).



# #502 Spor-, perronfornyelse og hastigheds-opgradering Langå station.

Budget: +80 M DKK.

When: 2021

Where: West

- **Project: 5 km track renewal and HS upgrading.**
- 5 km track renewal.
- 2,6 km ballast cleaning.
- 2,4 km track bed.
- 13 switches renewal .
- 2 platforms 180 meter including equipment.
- Lowering track under one bridge.
- 1,9 km drainage.



# #503 Sporfornyelse og hastighedsopgradering Aarhus – Langå.

Budget: +400 M DKK.

When: 2021

Where: West

- **Project: 85 km track renewal and HS upgrading.**
- 85 km track renewal.
- 85 km ballast cleaning.
- 11 km track bed.
- 14 switches renewal + 4 closure.
- Lowering tracks under 3 bridges.
- Earth work and drainage.
- Expansion of dams and prolongation of culverts.
- 2 side platforms 90 meter including equipment.
- 45 km deployment of fixed transmission network passive.



# #044 Forberedende arbejder for elektrificering Aarhus-Lindholm.

Budget: +400 M DKK.    When: 2020-2021    Where: West

## **Project: Preparatory works for electrification Aarhus-Lindholm**

- 4 tenders in 2020 and 2021;  
    BP1b, BP3, BP4 and BP5 - all as Detailed Design AB92
- Demolitions of 20 bridges and establishment of 17 new bridges including road modifications.
- 3 bridge elevations.
- Earthing and bonding.
- Vegetation clearing.
- Bridge reinforcements.



# #046 Forberedende arbejder for elektrificering Fredericia – Aarhus.

Budget: +400 M DKK.    When: 2020-2021            Where: West

## **Project: Preparatory works for electrification Fredericia - Aarhus**

- 11 tenders in 2020 and 2021;  
    BP1, BP2, BP3, BP4, BP5, BP6, BP7, BP8, BP9, BP10, BP11  
    all as Detailed Design, AB92
- Demolitions of 20 bridges and establishment of 19 new bridges.
- 9 bridge elevations.
- 4 Track Lowering's under bridges.
- Road modifications for bridges.
- Earthing and bonding.
- Vegetation clearing.
- Bridge reinforcements.



## #467 Sporfornyelse København H – (Høje Tåstrup).

Budget: +350 M DKK.

When: 2021 + 2022

Where: East

- **Project: Track renewal**
- 12 km track renewal (per track = 40 km)
- 13 km ballast cleaning.
- 27 switches.
- 12 km drainage.
- 1 buffer stop.
- Station with works: Copenhagen, Glostrup, Hvidovre and Høje Tåstrup
- Derived works, interlocking, and adjustment of catenary system.



# #171 Outsourcing of manual track maintenance.

Budget: annually 275 mill. DKK

When: 2022-2030

Where: All of Denmark

## **On going continuous track maintenance – e.g.:**

- Arc welding.
- Thermite welding.
- Replacements of a few rails and sleepers at a time.
- Transport and offloading of rails and sleepers.



Read about timetable, info material, upcoming tenders etc.:

<https://banedktenderplan.tricommerce.dk/#/list/incoming/details/BDK00171>

Or write to: [TrackMaintMD@BANE.dk](mailto:TrackMaintMD@BANE.dk)

# #171 Outsourcing of manual track maintenance.

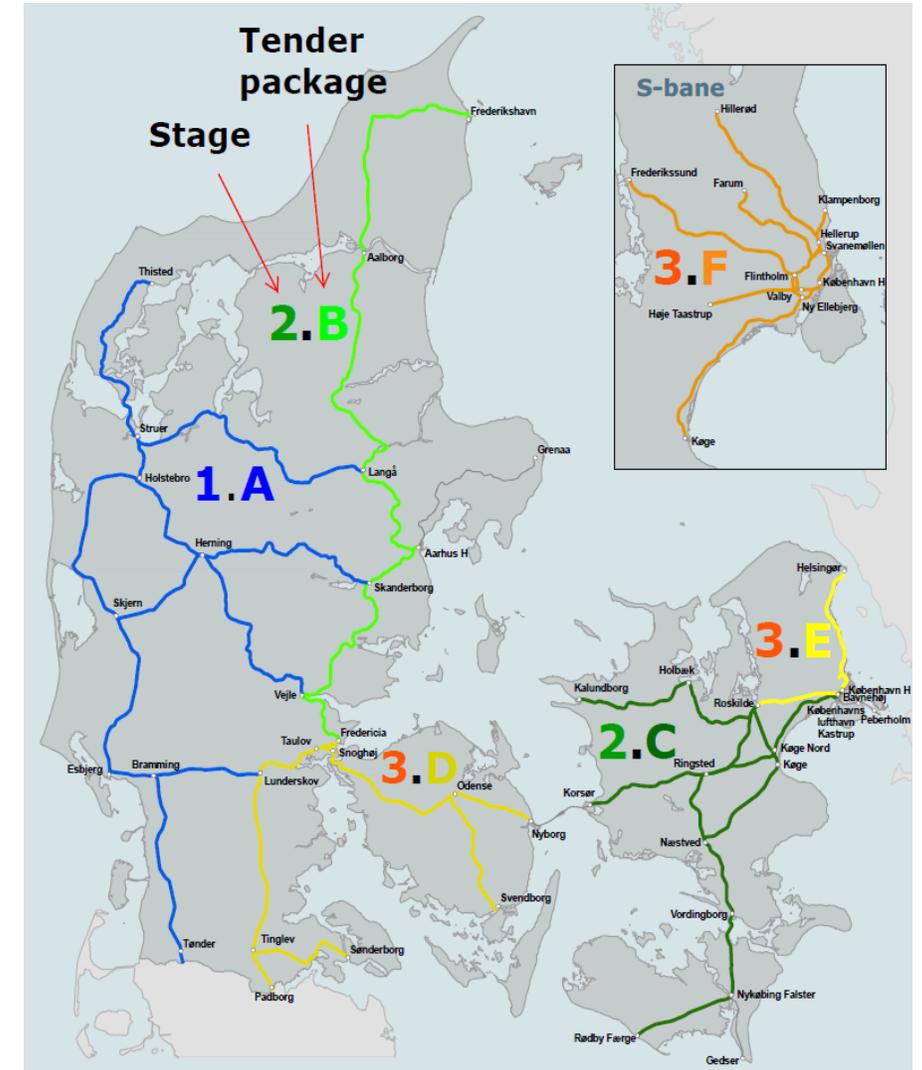
3 geographical phases, timeline, info material, upcoming tenders

## First - tender

<b>Q4 2019</b>	<b>Banedanmark expects to announce the tender in TED. The exact date can however change without warning.</b>
<b>Q1 2022</b>	<b>Expected startup of maintenance services from winner of the tender.</b>

## Overall tenderplan

Region	Stage	Tender package	Duration of contract <sup>3</sup>	Estimated annual turnover
Western Jutland	1	A	2022-2026 + (2026-2028)	43 Mill. DKK
Northern & Eastern Jutland	2	B	2024-2028 + (2028-2030)	50 Mill. DKK
Zealand <sup>1</sup>	2	C	2024-2028 + (2028-2030)	57 Mill. DKK
Southern Jutland & Funen	3	D	2026-2030 + (2030-2032)	42 Mill. DKK
Copenhagen area <sup>2</sup>	3	E	2026-2030 + (2030-2032)	62 Mill. DKK
S-train system	3	F	2026-2030 + (2030-2032)	25 Mill. DKK



# #170 Outsourcing of the maintenance for catenary system, Market Dialogue

Budget: annual 70 mill. DKK When: 2020-2030

Where: All of Denmark

## Project:

Market dialogue in March 2019 –  
ask for info material: [MDCATENARY@BANE.dk](mailto:MDCATENARY@BANE.dk)

There are 3 catenary systems :

- F160 25 kV AC
  - SICAT 25 kV AC
  - 1650 V DC-system
- + new future SICAT installations

The main services in scope are:

- Substations.
- Catenary system.
- Return current and quipotential bonding.



# How to become a supplier.

Tenders published on TED –  
Tenders Electronic Daily.

Tenders will be published at EU-  
supply.com

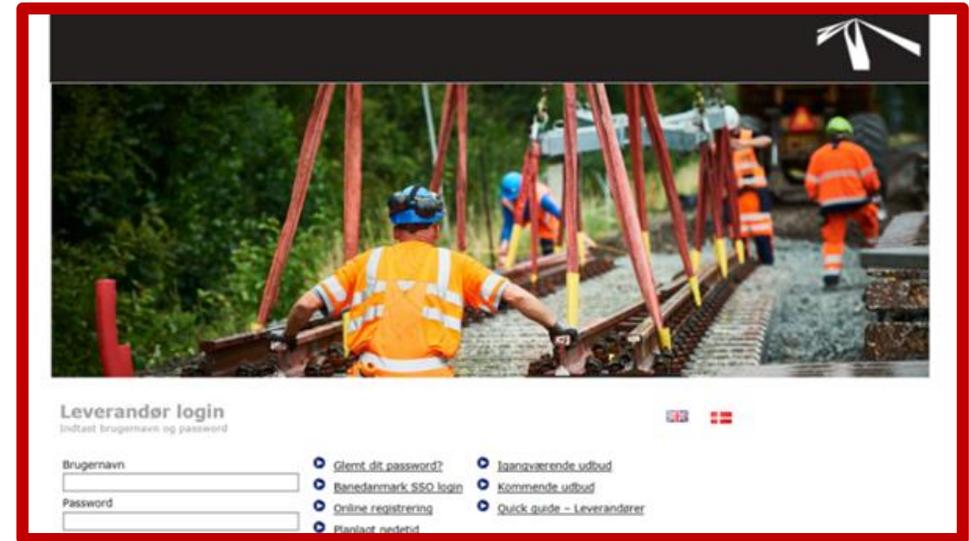
<https://eu.eu-supply.com/login.asp?B=Banedanmark>

Incoming tenders are published at  
our homepage:

[https://uk.banedanmark.dk/Supplier/Procurement\\_tender\\_invoicing](https://uk.banedanmark.dk/Supplier/Procurement_tender_invoicing)

<https://banedktenderplan.tricommerce.dk/#/list/completed>

Apply for our Qualification system on  
Banedanmark's homepage  
"Kvalifikationsordningen".



A screenshot of the Tender Plan interface. The interface is divided into three tabs: "FUTURE", "CURRENT", and "COMPLETED". The "FUTURE" tab is selected. There is a search bar with a "SEARCH" button and a "Found 39 tenders" indicator. Below the search bar, there are several checkboxes for filtering tenders: "Renewal &amp; constructional infrastructure", "Operations and maintenance", "Technical consulting", "Consulting services", and "Goods and other services". A table of tenders is displayed with columns for "Project no.", "Project Title", "Tender ID", "Tender Title", "Category", "Geography", "Tender size", "Tender period", and "Execution period". Two rows of tenders are visible. Annotations are present: a callout box on the right says "Subscribe to changes to the selected tender. Forward tender to others." with an arrow pointing to a "Subscribe to incoming tenders" button. Another callout box at the bottom says "Details of upcoming plans. Tender &amp; project descriptions contact info, category, size of project" with an arrow pointing to the table. A third callout box at the bottom right says "What, where, when, who" with an arrow pointing to the "Tender period" and "Execution period" columns.

# Thank you for your attention.

Banedanmark

Senior Market Analyst

**Cathrine Carøe**

Strategic Procurement

Mobile: +45 91 39 98 37

Mail: [CCRO@bane.dk](mailto:CCRO@bane.dk)

Carsten Niebuhrs Gade 43

1577 Copenhagen V

[www.bane.dk](http://www.bane.dk)



One-Point-of-contact: [leverandoer-kontakt@bane.dk](mailto:leverandoer-kontakt@bane.dk), Phone: +45 9354 7575 from 10 am to 2 pm