

Wednesday, 14 April 2021 – 1.00 PM-4.30 PM Digital

**Registration:** [www.svk.se/gridinvestmentsummit2021](http://www.svk.se/gridinvestmentsummit2021)

# GRID INVESTMENT SUMMIT



The Energy Sector is facing many challenges and changes in the coming years. A huge need for grid investments not only due to limited technical lifetime, but also the need to adapt to new energy and technology, work safety and human resource management.

With Grid Investment Summit 2021, Svenska kraftnät invites you to a (digital) day of discussion and dialogue about the future and opportunities for the Energy Sector – from a Client and Contractors perspective.

Together we enable the energy transition – by using best practices in grid development.

## Programme

### 1.00 PM-1.15 PM – INTRO

#### Why a 2021 Grid Investment Summit?

There is a lot going on in the Swedish transmission grid these days. This is but one reason for why Svenska kraftnät repeatedly chooses to organize this conference – this year, renamed Grid Investment Summit 2021.

Per Eckemark, Svenska kraftnät's Grid Division Head, and moderator Malin Thorsén, sustainability expert, will welcome us to an afternoon packed with information and discussions on systems development, investments and the future.

Speakers:

- > **Per Eckemark**, Executive Vice President, Head of Grid Division at Svenska kraftnät
- > **Malin Thorsén**, Sustainability expert and moderator of 2021 Grid Investment Summit

### 1.15 PM-1.55 PM – System Development

#### Risk of rapid growth in system development?

Svenska kraftnät will be investing 70 billion Swedish kronor in the transmission grid in the coming years. The transmission of today and tomorrow will be secured in collaboration with the industry in a time of increasing electricity dependency in society. Not only is there a great need to expand the grid, but there is also a need for new technical solutions. How can we draw the map of Sweden's future power system most effectively? What pitfalls and concerns are lurking along the way? Is there a risk of growing pains as the pace of Swedish systems development ramps up?

Speakers:

- > **Daniel Gustafsson**, Section Director for Power System, Svenska kraftnät
- > **Lina Bertling Tjernberg**, (Senior Lecturer, Ph.D., MSc.) Professor in Power Grid Technology, KTH

## 1.55 PM-2:05 PM — BREAK

## 2.05 PM-2.45 PM - Grid Development Investment BREAK-OUT SESSIONS

### Building up capacity - competence, resources and technology

Svenska kraftnät will build more than 300 kilometres of overhead lines and construct about 10 substations annually over a period of one decade. In this session, we will deep-dive into the investment portfolio - please select the seminar track that interests you most!

Sessions:

#### **Seminar Track A: Substations**

No stations - no electricity in the grids. But as the rate of grid investments increases, so does the pressure to build substations and components. How can the industry keep up with this rapid rate of development without forsaking safety and technical sustainability? Should new technical solutions always be preferred or is there reason to exercise caution?

- > Moderator: **Karin Edin**, Team Leader, Station and Maintenance Procurement, Svenska kraftnät
- > Expert: **Anna-Åsa Hellström**, Section Director for Grid Technology, Svenska kraftnät

#### **Seminar Track B: Overhead lines and Cables**

In the coming year alone, Svenska kraftnät will build 300 kilometres of overhead lines. The main question is, "How?" Drawn out permit processes and the pandemic flip the schedule on its head. How can Svenska kraftnät and the industry secure expediency in expansion without forsaking safety and technical sustainability? What insights can Svenska kraftnät glean from the industry?

- > Moderator: **Magnus Rubertsson**, Team Leader, Conductor Purchasing, Svenska kraftnät
- > Expert: **Thomas Sandvall**, Head of Overhead Transmission Lines, Svenska kraftnät

#### **Seminar Track C: Detailed Design (potentially SWE)**

Hundreds of kilometres of overhead lines and more than 150 new substations in the next 10 years - is it even possible? The future demands new technical solutions, procurements and collaborations. How do we ensure expansion and an investment rate that guarantee top-notch safety and sustainability? Rome was not built in a day - nor will the Swedish transmission grid be.

- > Moderator: **Maria Jalvemo**, Head of Transmission Line Planning, Svenska kraftnät
- > Expert: **Fredrik Hallander**, Svenska kraftnät
- > Expert: **Susanna Backström**, Svenska kraftnät

## 2.45 PM-3.00 PM — BREAK



## 3.00 PM-3.25 PM - The Energy Sector's Skills Supply

### It is about time we talk about human capital in the industry

The energy sector and Swedish electricity supply are facing great challenges in the coming years. For successful technological development, digitisation and power transition, more employees and new expertise are needed – commodities that are scarce in the Swedish energy sector at the moment. How can the industry, jointly and through individual stakeholders, attract more of the right people? What initiatives need to come from the Government to secure the expertise the energy sector will need in the future? And how does Sweden ensure good progress in grid expansion considering the current availability of resources, without forsaking safety?

Speaker:

- > **Anders Ygeman**, Swedish Minister for Energy and Digitalization (S)

## 3.25 PM-3.55 PM - Follow-up Panel Discussion

### How do we increase competence and resources in the energy industry?

Electricity has become one of the central keys to how climate change will be managed. Though the demand for electricity continues to increase in our communities, the supply of expertise has not kept up in the energy sector. It has been said that the industry is cannibalising itself to find expertise and resources. What staffing challenges is the energy sector facing? Is the challenge equivalent all over the country? And if the industry fails in this area, what will the long- and short-term effects be?

Speakers:

- > **Jenny Edfast**, CEO, Rejlers Sverige AB
- > **Björn Nordén**, Head of Operations, Energy Competence Center
- > **Anna-Åsa Hellström**, Section Director for Grid Technology, Svenska kraftnät

## 3.55 PM-4.15 PM - Closing Remarks

### How prepared is the industry for the second electrification wave?

The second electrification wave is here. Society, industries and vehicle fleets are increasingly dependent on electricity, putting pressure on the transmission grid. In addition to making major investments, new solutions such as energy storage and support services will be required to meet the increased demand for electricity.

What is the actual state of the Swedish transmission grid? How prepared is the industry for electrification? What did we take away from the 2021 Grid Investment Summit?

- > **Per Eckemark**, Executive Vice President, Head of Grid Division at Svenska kraftnät
- > **Malin Thorsén**, Sustainability expert and moderator of 2021 Grid Investment Summit