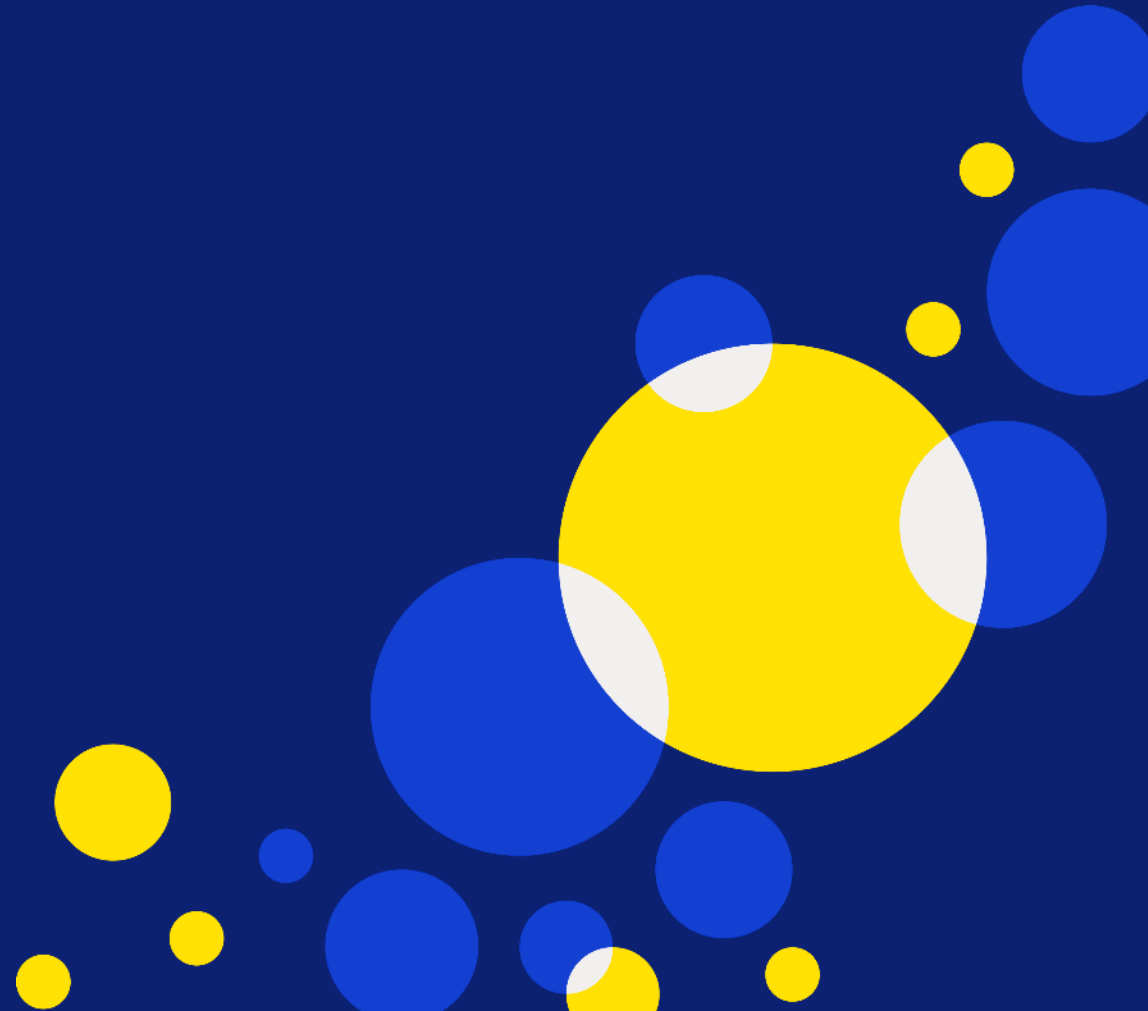




# CERN in Sweden 2024

# Student engagement



# Elias Walter Waagaard PhD-student accelerator physics

# #CERN70 - Tour de Suède

**02 FEBRUARI**  
LUND - LTH  
**Karriärväg: Big Science**  
Lunchseminarium med Elias Walter Waagaard som doktorerar i acceleratortysk på CERN  
LUND Kan CERN vara nästa steg i din karriär? Ja, absolut! Här jobbar människor från hela världen...

**06 FEBRUARI**  
STOCKHOLM - KTH/SU  
**Karriärväg: Big Science**  
Lunchseminarium med Elias Walter Waagaard som doktorerar i acceleratortysk på CERN  
STOCKHOLM Kan CERN vara nästa steg i din karriär? Ja, absolut! Här jobbar människor från hela världen...

**05 FEBRUARI**  
UPPSALA - UU  
**Karriärväg: Big Science**  
Lunchseminarium med Elias Walter Waagaard som doktorerar i acceleratortysk på CERN  
UPPSALA Kan CERN vara nästa steg i din karriär? Ja, absolut! Här jobbar människor från hela världen...

**08 FEBRUARI**  
GÖTEBORG - CHALMERS  
**Karriärväg: Big Science**  
Lunchseminarium med Elias Walter Waagaard som doktorerar i acceleratortysk på CERN  
GÖTEBORG Kan CERN vara nästa steg i din karriär? Ja, absolut! Här jobbar människor från hela världen...

**17 MAJ**  
JOIN US AT ORKANEN  
**CELEBRATE CERN 70 YEARS**  
FRIDAY 17 MAY  
SCIENCE EXHIBITION & LUNCH SEMINAR  
Register for the lunch seminar  
Malmö University  
Join us and find out more about CERN - what has happened in its 70-year history...

**15 MAJ**  
JOIN US AT ASTRONOMIHUSET  
**CELEBRATE CERN 70 YEARS**  
WEDNESDAY 15 MAY  
SCIENCE EXHIBITION & LUNCH SEMINAR  
Register for the lunch seminar  
Lund University  
Join us and find out more about CERN - what has happened in its 70-year history...

**13 MAJ**  
JOIN US AT CHALMERS  
**CELEBRATE CERN 70 YEARS**  
MONDAY 13 MAY  
SCIENCE EXHIBITION & LUNCH SEMINAR  
Register for the lunch seminar  
Chalmers, Göteborg  
Join us and find out more about CERN - what has happened in its 70-year history...

**20 SEPTEMBER**  
**CELEBRATE CERN 70 YEARS**  
LULEÅ  
EVENING TALKSHOW  
LULEÅ • POPULÄRVETENSKAPLIG KVÄLL  
Hur har CERN påverkat våra liv sedan anläggningen togs i bruk för 70 år sedan? Vad...

**20 SEPTEMBER**  
**CELEBRATE CERN 70 YEARS**  
LULEÅ  
LULEÅ • LUNCH SEMINAR & EXHIBITION  
How has CERN affected all our lives since the facility was first taken into use 70 years ago?

**18 SEPTEMBER**  
**CELEBRATE CERN 70 YEARS**  
UMEÅ  
EVENING TALKSHOW  
UMEÅ • POPULÄRVETENSKAPLIG KVÄLL  
Hur har CERN påverkat våra liv sedan anläggningen togs i bruk för 70 år sedan? Vad...

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**16 SEPTEMBER**  
**CELEBRATE CERN 70 YEARS**  
SUNDSVALL  
EVENING TALKSHOW  
SUNDSVALL • POPULÄRVETENSKAPLIG KVÄLL  
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SUNDSVALL  
SUNDSVALL • LUNCH SEMINAR & EXHIBITION  
How has CERN affected all our lives since the facility was first taken into use 70 years ago?

**13 NOVEMBER**  
CERN's 70-year anniversary tour:  
**VÄXJÖ**  
Populärvetenskaplig kväll på Stadsbiblioteket  
VÄXJÖ • POPULÄRVETENSKAPLIG KVÄLL  
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**13 NOVEMBER**  
CERN's 70-year anniversary tour:  
**VÄXJÖ**  
DAY TIME EVENTS:  
Lunch Seminar & Exhibition on the University Campus  
VÄXJÖ | LUNCH SEMINAR & EXHIBITION  
How has CERN affected our lives since the facility was first taken into use 70 years ago?

**11 NOVEMBER**  
CERN's 70-year anniversary tour:  
**Karlskrona**  
Populärvetenskaplig kväll på Docks  
KARLSKRONA • POPULÄRVETENSKAPLIG KVÄLL  
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DAY TIME EVENTS:  
Lunch Seminar & Exhibition on Campus  
KARLSKRONA | LUNCH SEMINAR & EXHIBITION  
How has CERN affected our lives since the facility was first taken into use 70 years ago?

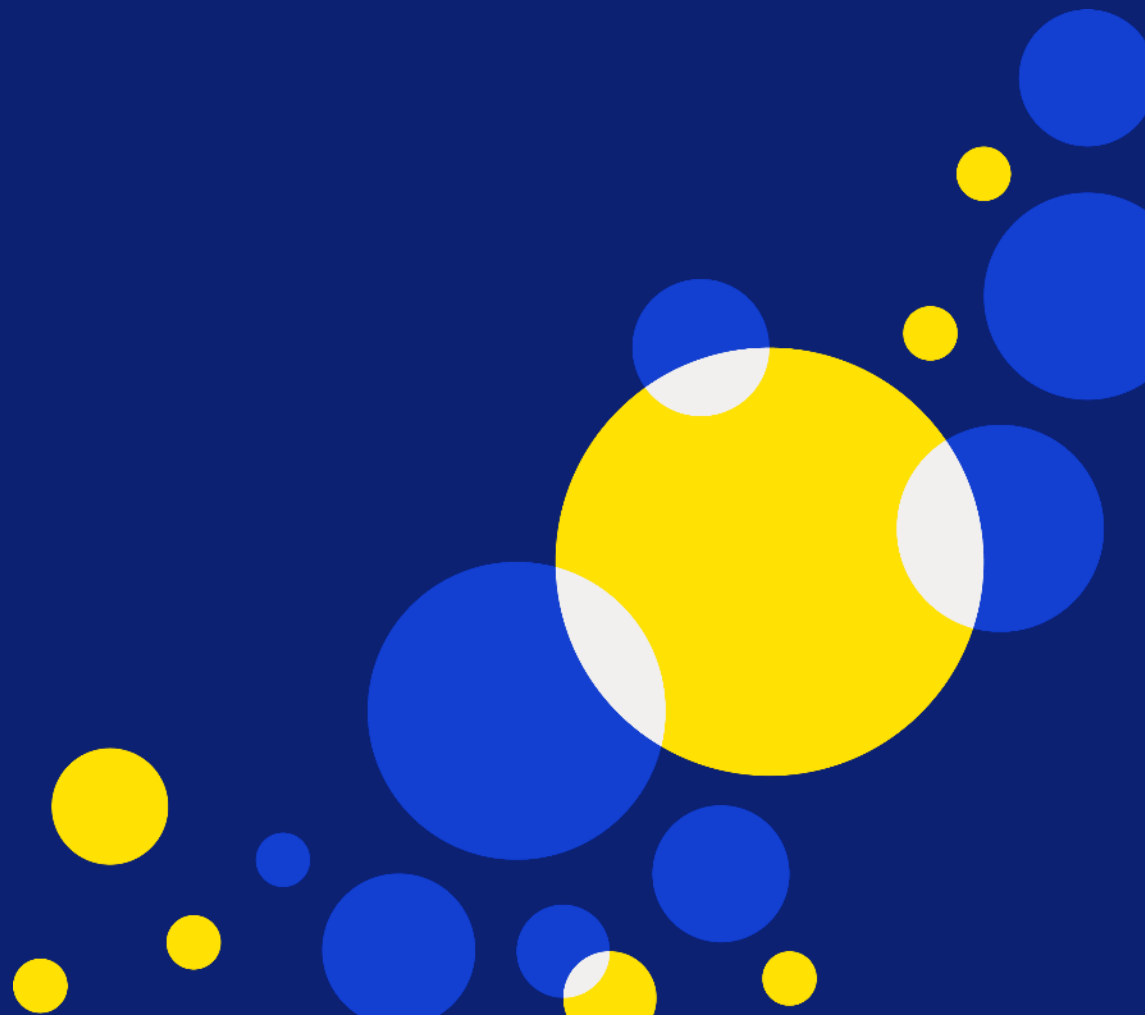
**15 NOVEMBER**  
CERN's 70-year anniversary tour:  
**LINKÖPING**  
DAY TIME EVENTS:  
Lunch Seminar & Exhibition on the University Campus  
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LINKÖPING • POPULÄRVETENSKAPLIG KVÄLL  
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9 cities/universities  
Approx. 450 students &  
250 general public  
Seminars, exhibition,  
popular science events

# Industry engagement



# Activity

- Richard Jacobsson, Swedish Senior Physicist at CERN, is project leader for the international ground-breaking experiment SHiP.
- The SHiP project is the largest project approved at CERN since the LHC (Large Hadron Collider), and is currently a collaboration between CERN and 33 research institutes and 5 associated institutes from a total of 15 countries. The aim is to begin construction of the facility in 2027.
- Seminar in Uppsala with Richard Jacobsson: Presentation about the research in the SHiP project, and business opportunities for academia and industry.
- Company visits at: ScandiNova, CoorsTek, MTC Powder Solutions, Österby Gjuteri.



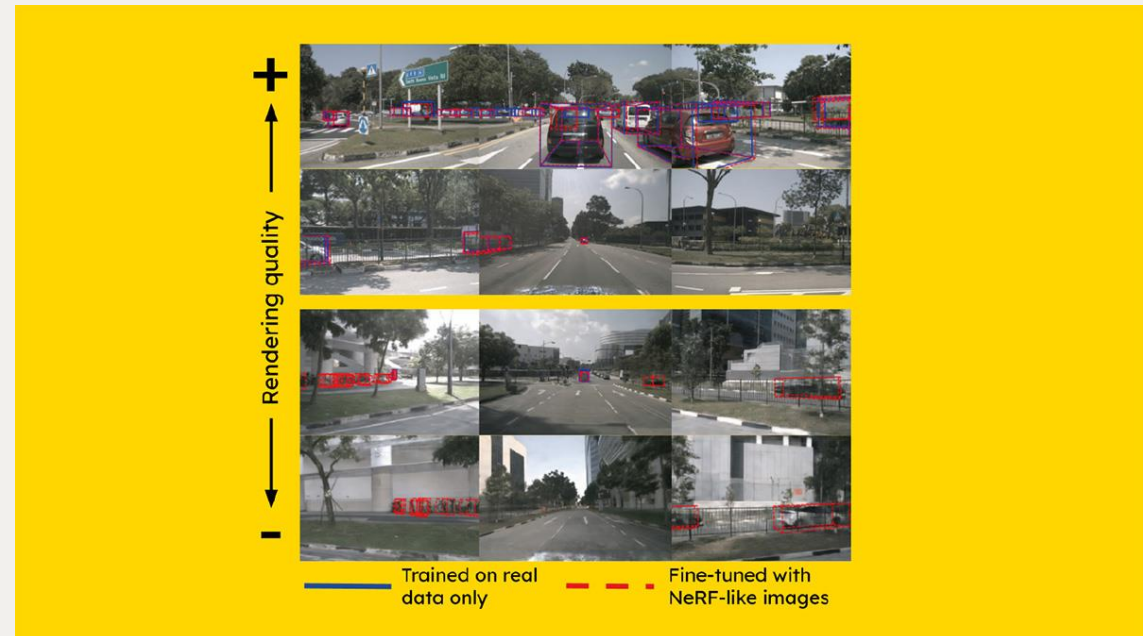
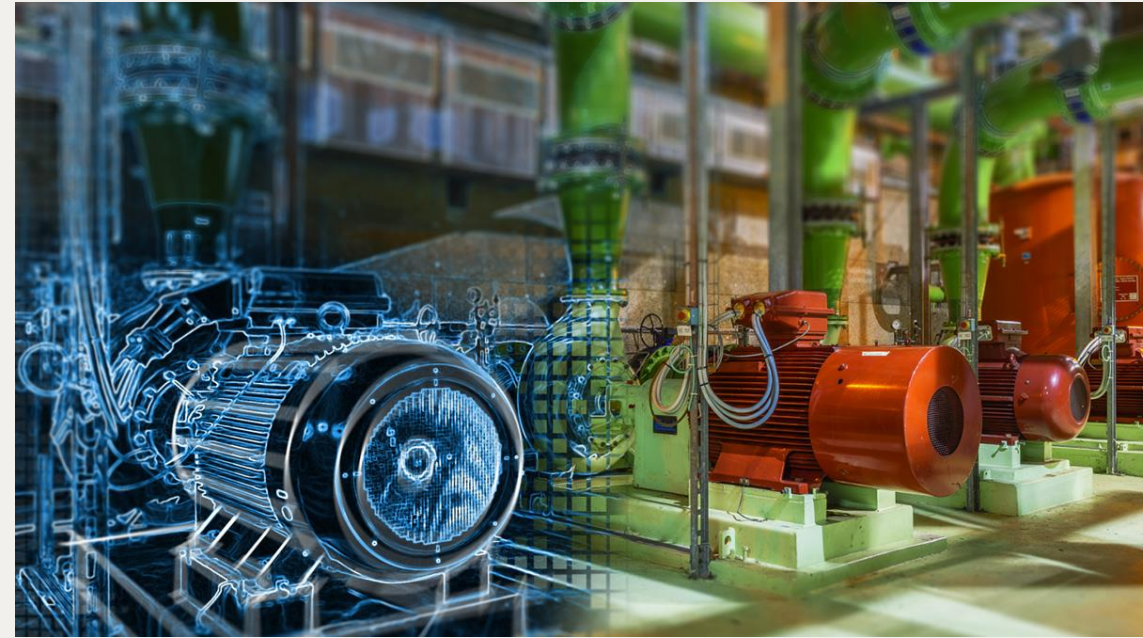
# Knowledge Transfer

- **ABB and CERN – Innovation partnership for reducing energy consumption**

ABB, a technology leader in electrification and automation, and CERN have developed a roadmap for reducing energy consumption in the cooling and ventilation systems used in CERN's accelerator complex, experimental areas, and data centres.

- **Zenseact and CERN – Knowledge transfer project contributes to research on autonomous driving**

CERN and the Swedish AI company Zenseact, which develops car safety software, both need advanced technology to enable rapid analysis of large quantities of data.



# Business

- **Kompressorteknik wins new order from CERN**

Another sizeable order extends the collaboration by a further four years. The new order involves CO2 accumulators for the ATLAS and CMS Phase II upgrades.

- **Big Science a new market for ElectroHeat**

By winning its first Big Science contract — an order from CERN — ElectroHeat is entering a new market.

ElectroHeat Sweden AB, with its head office in Göteborg, makes industrial ovens and heat treatment equipment for industrial companies all over the world.





# Funder engagement

