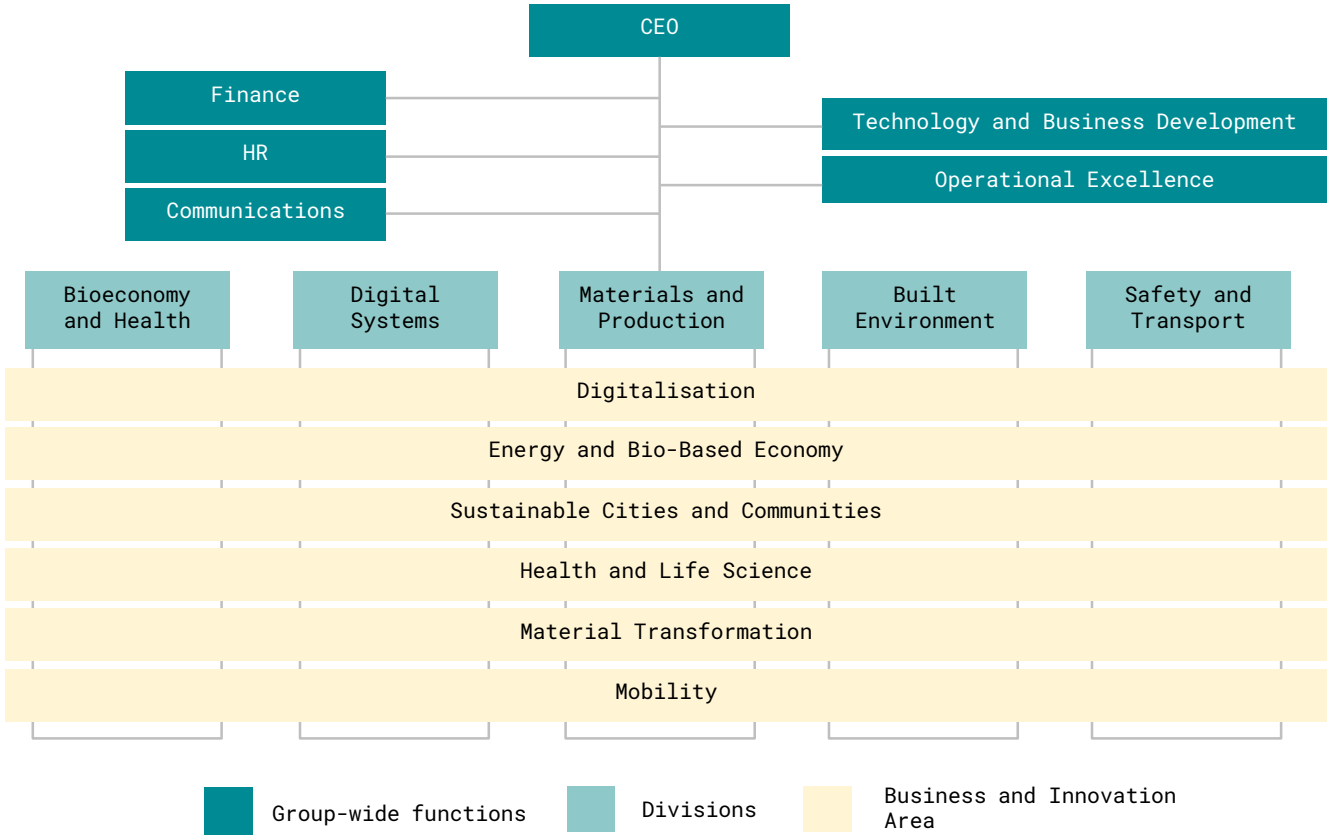
Division Digital Systems

Senior Vice President
Charlotte Karlsson

Overall organisation



The five divisions

Marco Lucisano

Bioeconomy and Health

The Bioeconomy and Health division has cutting edge expertise in process engineering, drug development and material and surface design.
Our work involves biorefinery value chains and products and processes for agriculture, food, pulp, paper and packaging.

Charlotte Karlsson

Digital Systems

The Digital Systems division operates in electronics, information and communications technology, software development, mobility, system analysis and interaction design.
We provide solutions for all sectors, especially in areas involving digitalisation.

Pernilla Walkenström

Materials and Production

The Materials and Production division, specialises in corrosion, chemistry, biology, medical technology and mechanics.
We operate in product, production and material development for textile, polymer, composite, metal and ceramic.

Acting SVP Marco Lucisano

Built Environment

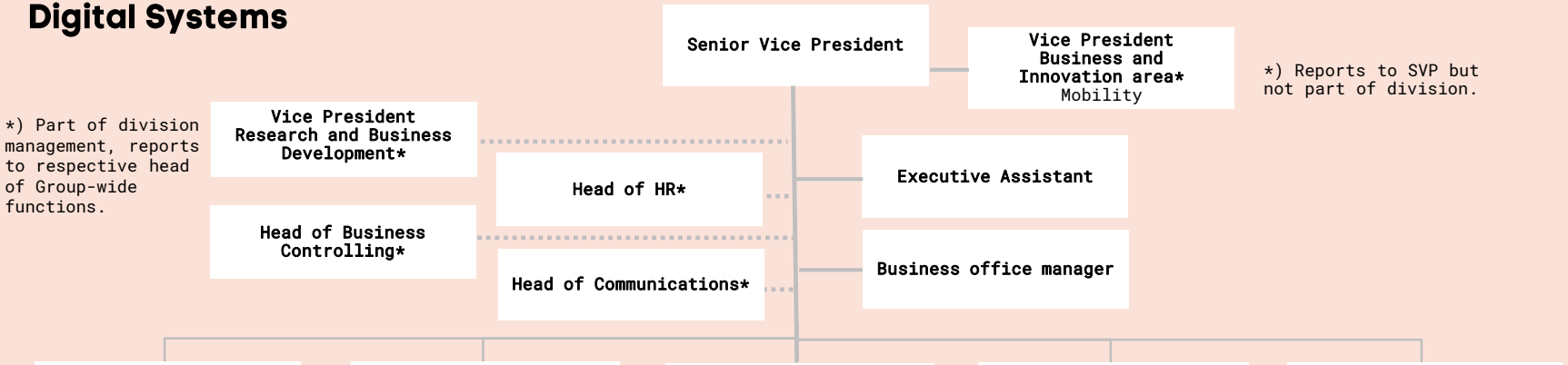
The Built Environment division brings together expertise in energy, infrastructure, construction and properties, innovation management and system transition for a sustainable society.
We also provide certification operations that help companies approach the market.

Paul-Halle Zahl Pedersen

Safety and Transport

The Safety and Transport division, specialises in reliability, risk and safety in relation to vehicles, the maritime industry, the electrification of transport system and fires.
The division has expertise in measurement technology, calibration, inspection and verification.

Digital Systems

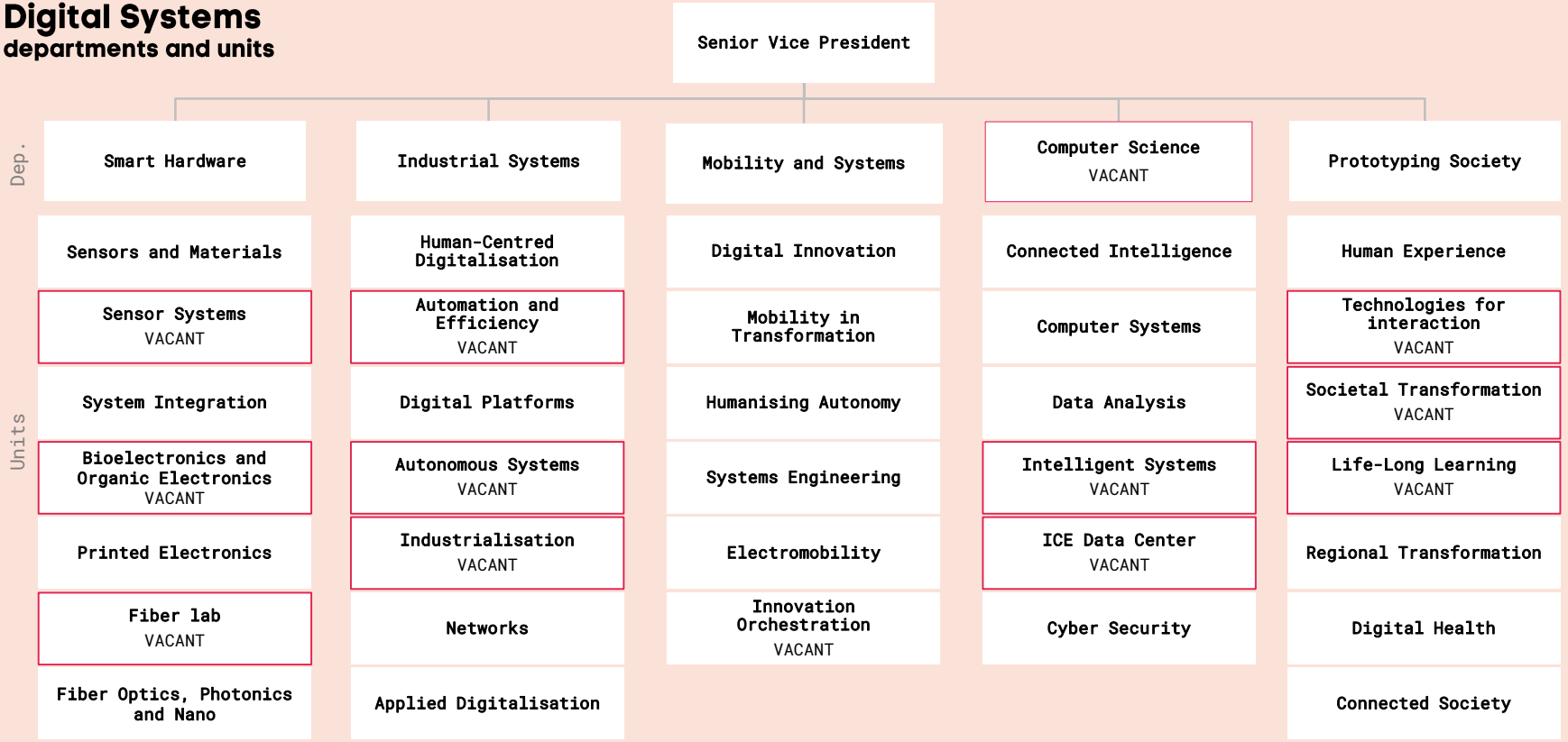


Hardware Technologies enables industrial transformation by driving innovations and applications in the fields of electronics, photonics, sensors, systems and advanced materials for Swedish industries and the public sector.

Industrial Systems focuses on applied research in the field of information and communication technology for industry, through future industrial network technologies, process industrial automation, applied digitalisation, IoT prototyping, organisational development and innovation development.

Mobility and Systems investigates the possibilities and consequences of digital technology and the mobility of the future. There is competence here in the fields of IT and electro-mobility, autonomous systems, digital innovation and service design, system of systems, optimisation and emerging technologies.

Data Science focuses on research in the field of AI, data science, analysis, data centres and cyber security, in order to enable and drive innovation and applications of AI and cyber security for industries and the public sector.

Prototyping Transfor-mation is humanities-driven research, where technology and people meet. We drive and enable social transformation through interaction design, business develop-ment and innovation processes.

Digital Systems
departments and units