

# SKF to Showcase Innovative Solutions at the Tech and Innovation Summit

Category: Business

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**SKF** to unveil a broad range of products and solutions to continue serving customers with more efficient, reliable, and sustainable technologies. You are welcome to join the webcast on December 11 – 12. The Tech and Innovation summit, a one-hour virtual event, themed **“Turning motion into meaning”**, puts the spotlight on innovations essential for addressing urgent global issues like climate change and resource scarcity.



**Rickard Gustafson, President and CEO and Annika lme, CTO and Senior Vice President, [Technology Development](#)**

Innovation and [technology](#) development is core at SKF. The

Group's strategy is designed to create significant customer value in targeted markets through sustained [innovation](#) leadership and increased efficiency. With a focus on empowering customers to [transform their operations and drive](#) greater sustainability, SKF has transformed its R&D portfolio so that more than 90% of the projects are focused on high-growth segments.

*"Today, customers [across industries](#) are looking for solutions that promote greater decarbonization and sustainability. We will showcase technologies that pave the way for customers to meet their evolving needs and accelerate [sustainable growth](#). By doing so, we are advancing our strategy through enhanced innovation in high-growth segments," [says](#) Rickard Gustafson, President and CEO.*

The Tech and [Innovation summit focuses on tailored solutions](#) aimed at enhancing energy efficiency and reducing emissions for customers in industries like railways, machine tools, metals, mining, industrial electrical systems, and HVAC (Heating, Ventilation, and Air Conditioning).

*"Exploring and maximizing the immense possibilities of [technology to develop intelligent](#) and clean solutions is what we do at SKF. We accelerate our efforts to develop and bring to market [innovative solutions](#) that enhance productivity, efficiency, reliability, and cost-effectiveness, and deliver sustainable value for industries and societies," says Annika lme, CTO and Senior Vice President, Technology Development.*

Read more on the [Tech and Innovation Summit](#)

The live webcast of the event will be available via this link – [Join event](#)

**Dec 11: 10 am CET (EMEA),  
10 am IST (India and Southeast Asia)  
9 am PT / 12 pm ET (Americas)  
11:30 – 12:30 WIB**

**Dec 12: 12 pm CST (China and Northeast Asia)**

**Products and solutions [showcased at the Tech & Innovation summit](#)**

**SKF Infinium – the [next generation](#) of bearings**

SKF is transforming the manufacturing and use of bearings with a revolutionary model that maximizes material use through a circular approach. This model enables SKF Infinium – the [next generation](#) of bearings, where products have multiple lifecycles with significantly less energy consumption and raw materials compared to new manufacturing, reducing CO2 emissions through a circularity-focused design. Not only is this approach feasible, but it is also profitable for customers, as evidenced by SKF Infinium performing in some of the toughest operating [environments](#). Link to [press release](#)

**Innovative HVAC solutions to address [climate change](#)**

Buildings are responsible for approximately 40% of global greenhouse gas emissions, making [energy-efficient HVAC solutions](#) crucial for reducing environmental impact. High speed [electric motors](#) on Magnetic bearings have emerged as a leading technology in addressing the energy efficiency and environmental challenges of the HVAC industry. Magnetic bearings eliminate friction and wear, needing no oil lubrication and ensuring a clean, pollution-free operating [environment](#). Already used in energy, semiconductor, and machine tool industries, this [technology](#) can boost energy efficiency by over 95%, far exceeding standard motors. Magnetic bearings provide a reliable, efficient, and [sustainable solution in response](#) to concerns about climate change and energy use.

**Improved reliability in railways**

SKFs new range of tapered roller bearings, developed in close collaboration with the customer, enhances performance and

durability for demanding track conditions. They can handle up to 1.5 times higher dynamic loads and reduce friction by up to 20% in output shaft bearings, [leading to lower energy consumption and improved sustainability](#).

## **Performance-enabling [solution for industrial](#) electrical systems**

With global [businesses](#) aiming for net zero, the need for electric solutions is increasing. At the summit, a key highlight is [SKF](#) Hybrid ceramic bearings designed for the evolving needs in electrification and automation. SKF Hybrid ceramic bearings, which integrate steel rings with [engineered](#) ceramic rolling elements, can reduce friction by up to 50% with an optimized machine design and boost operating speeds by up to 25% compared to all steel bearings. The bearings longevity, reduced energy use, and minimal maintenance requirements make them an efficient and sustainable [choice](#) for superior performance in many applications.

## **[Advancing innovation with real-time load sensing in the mining sector](#)**

Mining companies need reliable data to optimize operations and [meet growing demand](#) for minerals. One of the most remarkable [innovations introduced for the rapidly evolving mining industry](#) is SKF Insight sensor-bearing system, providing real-time load data to the machine's control system. This helps customers to increase output, efficiency, and productivity, thereby maintaining their competitiveness.

## **[Innovative solutions for increased machine tool productivity](#)**

As precision, automation and miniaturization evolve, the demands on machine tools keep growing. Productivity is boosted by speed, so SKF has developed the [innovative](#) UltraFast series of Super-precision bearings, delivering a perfect balance between speed and stiffness for faster machine performance. These bearings also [offer significantly reduced frictional](#)

[torque and other features to support](#) the drive towards reduced energy use.

A reply of the summit will be available after the [event's](#) conclusion on the website for on demand watch.

## About SKF

SKF is a world-leading provider of [innovative solutions that help industries become more competitive and sustainable](#). By making products lighter, more efficient, longer lasting, and repairable, we help our customers improve their rotating equipment performance and reduce their environmental impact. Our offering around the rotating shaft includes bearings, seals, lubrication management, condition monitoring, and [services](#). Founded in 1907, SKF is represented in approximately 129 countries and has around 17,000 distributor locations worldwide. Annual sales in 2023 were SEK 103,881 million and the number of employees was 40,396. [www.skf.com](http://www.skf.com).

