



碳减排先锋
Defensores do Clima
クライメート・セイバーズ
Climate Savers



Providing solutions for a low-carbon future

SKF is a leading global supplier of bearings, seals, mechatronics, lubrication systems, and services. SKF Knowledge Engineering products, solutions and services help customers improve performance, reduce energy use and lower total costs.

SKF is represented in more than 130 countries with sales offices, more than 100 manufacturing sites and technical centres, and is supported by around 15,000 distributor locations worldwide.



How SKF aims to fight climate change

SKF's Climate Savers commitment consists of the following targets:

- **Scope 1 and 2 emissions:** Reduce the annual energy use for the SKF Group by 5% below 2006 levels in absolute terms by 2016 irrespective of volume growth and reduce the energy use per production output by 5% year-on-year.
- **Scope 3 emissions:**
 - Promote effective energy management in our supply chain by requiring ISO 50001 Energy Management Standard certification for 100% of our energy intensive suppliers by 2016, including steel suppliers, forging and casting companies, etc.
 - Reduce CO₂ emissions per tonne-km generated by transports managed by SKF Logistics Services by 30% below 2011 levels by 2016.
- **Scope 4:** Accelerate innovation and product development of low carbon solutions through the SKF BeyondZero portfolio, our solutions with significant and documented environmental benefits. SKF commits to a target of quadrupling the revenue from the SKF BeyondZero portfolio from SEK 2.5 billion in 2011 to SEK 10 billion in 2016.

BeyondZero™ and climate change

BeyondZero is SKF's objective to continuously minimise the negative environmental impacts deriving from its operations and at the same time increase the positive contribution provided by its products and solutions, helping customers to lower their carbon impact and provide innovative low-carbon solutions. The SKF BeyondZero portfolio contains solutions such as the rotor positioning bearing for start-stop systems in cars and the electromechanical actuators that reduce energy requirements by up to 90% compared to conventional actuators. Solutions from the portfolio will enable significant greenhouse gas reductions. The avoided emissions will be reported retrospectively on an annual basis, verified by a third party.

Productive partnerships are the key to drive change. SKF collaborates with industry peers and has recently inaugurated the SKF-Chalmers University Technology Centre for Sustainability, with the aim to deliver groundbreaking, industry-focused research on sustainability.

“SKF is in a good position to significantly mitigate climate change through the products and solutions we provide. We will use SKF Knowledge Engineering to help drive the change we want to see – driving BeyondZero for a more sustainable future.”

Tom Johnstone
President and CEO

Accelerating energy efficiency of SKF operations

Internally, SKF raises the bar, by aiming for Group certification in the ISO 50001 Energy Management Standard by 2014, building new facilities according to the LEED standard, collaborating with machine suppliers, etc. to reach the aggressive targets set and still have room for significant growth.

Driving change beyond SKF's own borders

Supporting low-carbon steel manufacturing

SKF will support cooperative research and development initiatives aiming at enabling significant reduction of CO₂ emissions from steel production with SKF's knowledge and expertise.

Innovative logistics caring for our climate

The aggressive reduction target for transport requires successful cooperation across the supply chain and beyond, changing behaviour and finding new solutions through SKF Logistics Services and joint initiatives such as the Clean Shipping Network and KNEG, climate-neutral road transports.

Setting new standards for scope 4 reporting

SKF is breaking new ground with its SKF BeyondZero portfolio in applying systematic and transparent approaches to calculating and communicating environmental claims. As part of the Climate Savers commitment SKF will also take the lead in the establishment of standards for calculating the savings in carbon emissions enabled by a solution, also referred to as scope 4 emissions.