



We challenge you
to challenge us.

SKF Solution Factory



The Power of Knowledge Engineering

Welcome to SKF Solution

– your new productivity consultant

Think of us as your productivity consultant. It's to us you turn when costs are too high and you're not sure where to start cutting. Or when scheduled maintenance doesn't prevent unscheduled stoppages. Or when you need a solution that has yet to be invented. Or when you're just plain dissatisfied with current performance, and want to do something about it.

As it says on the cover, we challenge you to challenge us.

Are your assets working hard enough?

After a century of studying machine performance, we've built a vast body of knowledge. With that knowledge as the foundation, we developed an Asset Efficiency Optimization model that allows us to create a maintenance strategy that meets your business objectives. The AEO approach is highly flexible and can be adjusted to the changing demands of your operation.

Cut costs to the bone

To give you an idea of how much you stand to gain from partnering with SKF, we created a powerful software tool, SKF Documented Solutions Program. The software calculates the Return on Investment of a particular SKF solution. Working closely with our personnel, we enter your data into

the software – materials, labor, downtime, lubrication, energy, for example – and let the program do the rest. Many of our customers are surprised at how much they can save. What's more, you'll see what other companies with similar challenges to yours have already achieved.

Don't waste energy on underperformance

How many rotating parts do you have in your equipment? Probably hundreds, if not thousands. What few realize is that improper maintenance – incorrect installation or misalignment, for example – wastes a great deal of energy. SKF provides a multitude of solutions to help reduce energy consumption caused by underperforming equipment.

Factory

Optimized designs are not always found in boxes

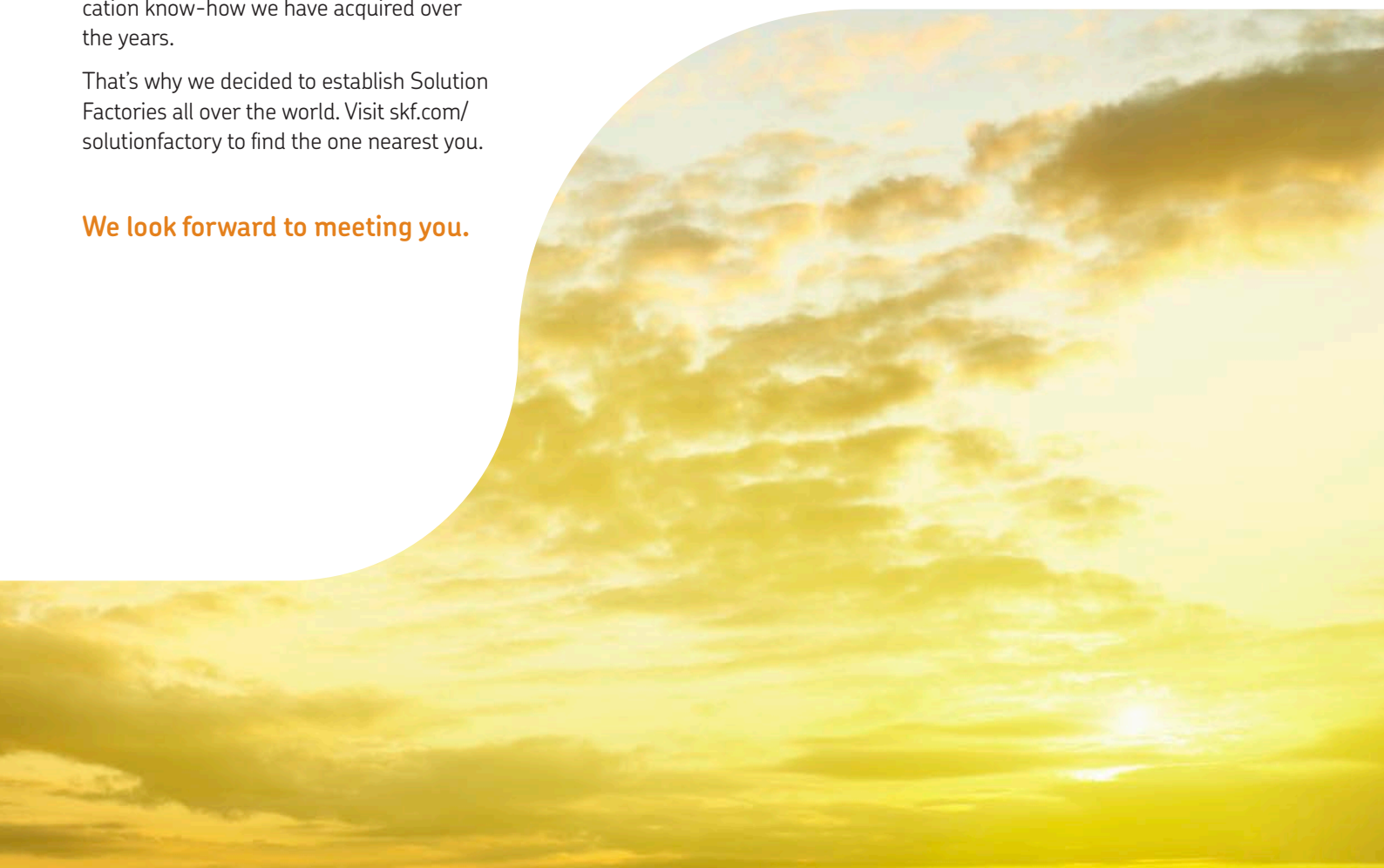
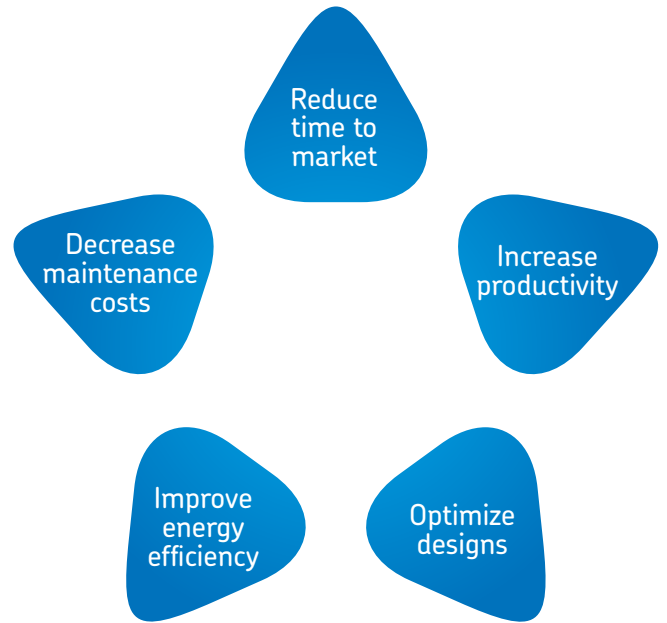
At SKF, we don't believe one size fits all. That's why our application engineers will do what's required to deliver what you need to boost operational performance – even if it means designing a customized solution from scratch. What's more, through our Asset Lifecycle Management program, we can redesign an existing solution, helping to increase the efficiency and reliability of your operation.

Now all over the world

Everything we do at SKF Solution Factory rests on our core technologies. But until now, you may not have realized the true potential of combining all at once – along with all the specialist knowledge and application know-how we have acquired over the years.

That's why we decided to establish Solution Factories all over the world. Visit skf.com/solutionfactory to find the one nearest you.

We look forward to meeting you.



SKF Solution

SKF Solution Factory is a lot more than its name suggests. It's a network of SKF Solution Factories in actual locations – to make sure you get the best solution for your needs – each one also provides a portal to a multitude of services.

Specialist competences

All the knowledge needed to provide truly customized solutions and to manage your Total Cost of Ownership.



Asset management



Training



Energy and sustainability management



Remote diagnostics



Lubrication management



Project management



Engineering consultancy



Application engineering

Industry knowledge

World-class products are one thing. Knowing how best to use them is another. Over the last 100 years, we have gathered a wealth of industrial and application experience together with our customers.



Energy



Machine tools



Pulp & Paper



HPI and Oil & Gas



Mining, minerals processing and cement



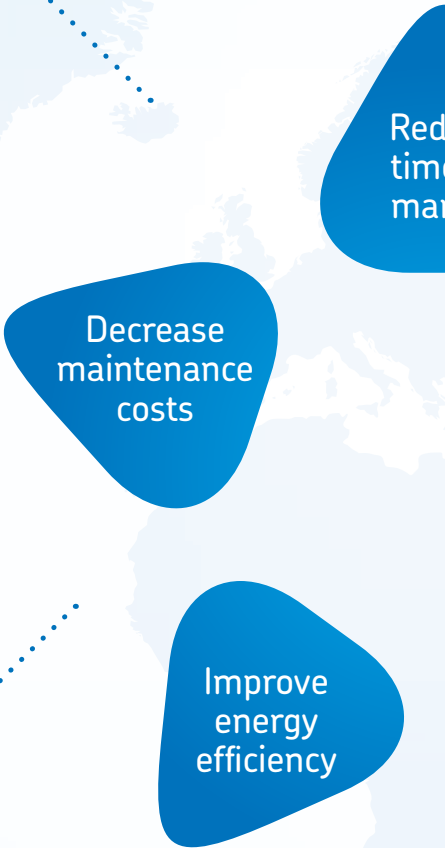
Marine



Metals



Food and beverage



One
To find your
go to www.skf.com

on Factory

me implies. While we have established actual
access easier for our customers across the globe
ch larger world of knowledge engineering.

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Increase
productivity

Optimize
designs

Service centres

Everything you could possibly want to extract every
drop of performance from your machinery.



Bearing
remanufacture



Electronic repair
and calibration



Bearing analysis



Customized
sealing solutions



Spindle services



Lubrication
systems
customization



Product
customization



Total shaft
solutions

Core technologies and services

The heart of our offer. Every SKF product, service and solution
is built on one or more of these technologies.



Bearings
and units



Linear motion
and actuation
systems



Seals



Power
transmission



Lubrication
systems



Services

source

nearest Solution Factory,
skf.com/solutionfactory

We're looking forward to your next challenge

Perhaps it involves solving a problem, meeting a challenge or realizing a new opportunity. When you decide to partner with SKF Solution Factory, you have an issue that can't be handled with standard tools. Below you will find some real case stories about how we supported customers who shared their challenges with us – and what it meant for their operation.

Supporting world class maintenance

"We have a vision we call 'World-class maintenance.' With SKF's support, we've decreased maintenance costs and increased availability at our site in Finspång. This partnership has also helped us develop competencies related to maintenance and AEO."

Thomas Strid, Maintenance Manager
SAPA, Sweden

Identifying the source of vibrations

A ball mill in South Africa had vibration problems, but couldn't find the root cause. After performing advanced dynamic and finite elements analysis, SKF application engineers found the cause and recommended a solution based on the finite elements method. It worked and SKF helped save \$750 000.

Core technologies cool hot bearings

A platinum mine in South Africa requested commissioning tests on four mobile emergency generators. Our engineers found problems with the bearing arrangements and the lubrication; the bearings were simply running too hot. In the end, SKF used three of our core technologies to solve the problem – bearings and units, lubrication and seals. The generators have now run for four years without a glitch.





Collaborating for smart measurements

A world leader in packaging systems wanted to perform and analyze vibration measurements on field test machines, located in two different countries. The solution? By taking advantage of SKF's local condition monitoring teams, the customer is able to save time and money – up to 30 000 SEK per machine and occasion, while getting the accurate and reliable information they need.

Reducing maintenance cost by nearly 50%

A major manufacturer of top-class geared motors wanted to reduce the cost of maintenance on nearly 60 spindle machines. SKF's answer was to classify the various machines into 13 groups to identify the optimal service content and routines, while the local SKF Solution Factory provided quick spare parts deliveries. The solution reduced total maintenance cost by almost 50% and cut the run-out time in half.

**Not 100% happy with current performance?
Get in touch at skf.com/solutionfactory**



*Whenever you need to solve a problem,
we want you to think of us.*

*If you want to beat – rather than just meet –
your toughest business targets, think of us.*

Challenges like these are what we're here for.

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