

NEWS & TECHNOLOGY FROM SKF CANADA LTD

INNER RING



BACK IN ACTION!

SKF relaunches the CR Seals brand and it is better than ever!

CR Seals outperform the competition on the test bench and in real applications.

Why risk unplanned downtime and high warranty costs with a sub-par seal?

CR Seals[®]
DESIGNED FOR REAL LIFE

Why SKF for seals? Because no one knows how seals work with bearings better than us.

Real life is challenging. As a leading bearing manufacturer that also manufactures seals, SKF has a unique perspective on the interplay of the elements in rotating equipment.

Trust your uptime and your bottom line to the robust reliability of CR Seals from SKF.

As part of the CR Seals product brand re-launch we've brought back an updated version of the CR Seals Handbook from SKF. The handbook combines our best ideas and insights - from the past and present.

Learn more: skf.com/crseals

SKF[®]

SKF ASSISTS SUBMARINE RACING CLUB AT UNIVERSITY OF VICTORIA

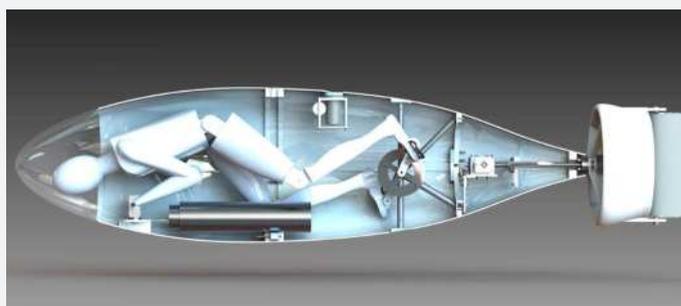
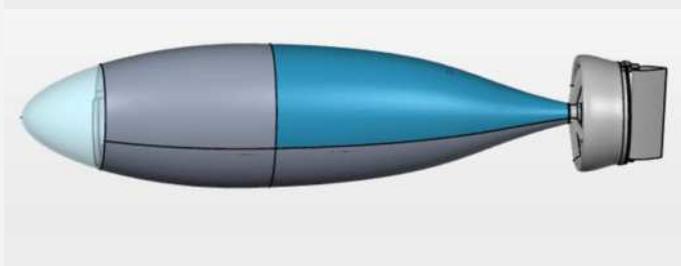
The UVic Submarine Racing Club is run by students from the University of Victoria. The main goal of the club is designing and building a human powered submarine.

SKF is a huge supporter of design and innovation. Each year we assist students from a variety of universities and colleges as they tackle new projects and initiatives. SKF supports these projects by providing both products as well as engineering knowledge.

The final design (artist renderings on the right) included a conventional crank and pedal system with a steering design which resembles a regular bicycle with a side to side handlebar motion.

With approximately an 8-month completion deadline and \$10,000 budget, the UVic team will now be ready to present their new project design in the UK at the European International Subrace this summer competing against 11 other universities.

If you want more information on how SKF can help support your next project, contact us at marketing@skf.ca



MEET THE WORLD SOCCER TOURNAMENT MONTREAL



A group of 15 young girls from Boucherville, Quebec will live a dream next July by participating in the Gothia Cup, an international amateur soccer tournament held in Gothenburg, Sweden.

Gothia Cup is the world's largest youth soccer tournament, taking place in Gothenburg, Sweden in July. Gothenburg is also where SKF's global head office is located and as part of our CSR activities, SKF is the main sponsor of Gothia cup.

In addition, 24 SKF subsidiaries from all over the world get to send 1 local team to play Gothia cup – all expenses paid. SKF believes that if young people get a chance to interact independent of culture, religion or economic situation, the world will be a better place.

SKF Canada recently hosted a Girls 14 tournament with regular, local soccer teams from Montreal area. Winners were a team from Boucherville, who are now very excited about their upcoming trip to experience Gothia cup and meeting 23 other SKF sponsored teams from all over the world. We wish the team success and a great time on and off the soccer field!

The Gothia Cup will be held on July 15-21 in Gothenburg, Sweden. 1700 teams from 80 nations are expected to compete. Learn more at: gothiacup.se

FAN SERVICE AT HOSPITAL SAVES THOUSANDS

The challenge

The hospital is a modern building with around 150 fan installations. As in other modern buildings, the fans, which are equipped with variable frequency converters, are operated at maximum capacity. The variable frequency converters are used to control airflow in order to reduce energy consumption and operating costs. The motors in these direct drive fans were failing prematurely and had a mean time between failure (MTBF) of 3 –4 years. To add to the replacement costs, hospital regulations prohibited maintenance during the day, requiring more expensive labour costs at night. It was estimated that each motor replacement was costing upwards of \$880.

GENERATED A TOTAL SAVINGS OF \$110,000 OVER A FIVE YEAR PERIOD



Fan installation at the hospital

Solution

Working with the service consultant for the hospital, SKF service engineers were able to determine that stray electric currents from the variable frequency converters were damaging the bearings, causing them to fail prematurely. To solve the problem, SKF® hybrid bearings were recommended by the service engineers. Their recommendation to use SKF hybrid bearings and not INSOCOAT® bearings, which can also provide protection against stray electric currents, was based on the size of the motor.

About hybrid bearings

SKF hybrid bearings have been proven to last 2–4 times longer than standard all-steel bearings. This is due not only to the electric insulating properties of silicon nitride, but is also due to the fact that hybrid bearings can operate longer than all-steel bearings under poor lubrication conditions.

Savings

The total package, bearing investigation, recommendation and exchange plan will enable total savings of \$22 000/year at hospital, once all fans are upgraded.

Operating data

Power: 5,5 – 11 kW
Speed: 1 450 r/min
Bearings: 62 and 63 series HC5C3WT

Customer advantages

- Decreased maintenance costs
- Reliability, security – predictable operation
- Full advantage of frequency converter features
- Long service life

Financial outcome over 5 years

- Considering 150 fan installations
- Initial investment (bearings) \$60,000
 - **Total savings \$110 000**



SKF ENLIGHT QUICKCOLLECT

QuickCollect sensor is an easy to use vibration and temperature monitoring system using bluetooth that connects to apps that work with you mobile device.

Learn more: goo.gl/p1c3X4



CR SEALS HANDBOOK

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SKF SHELF APP

SKF Shelf app offers an easy way to access SKF information from your tablet or smart phone. The app allows you to locate and retrieve SKF brochures and other information.

Learn more: goo.gl/bya4rY



SKF TRAINING | AUG 20-21 | REGINA, SK

WE201 | Bearing Maintenance & Technology
Improve the service life of roller bearings and rotating equipment

Upcoming: Toronto - Sept 12-13 | Kingston - Sept 24-25 | Toronto - Oct 10-11



SKF TRAINING | JULY 3-4 | VAL D'OR, QC

WE204 | Root Cause Bearing Failure Analysis
Analyzing damaged bearings and their associated components

Upcoming: Gatineau - Sept 18-19 | Calgary - Nov 1-2 | Toronto Nov 27-28

FULL 2018 SKF TRAINING SCHEDULE ONLINE: SKF.CA/STS



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marketing.canada@skf.com
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