

HTC  
Superfloor™



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# HTC Superfloor™ References



[www.htc-floorsystems.com](http://www.htc-floorsystems.com)

# HTC Superfloor™ References

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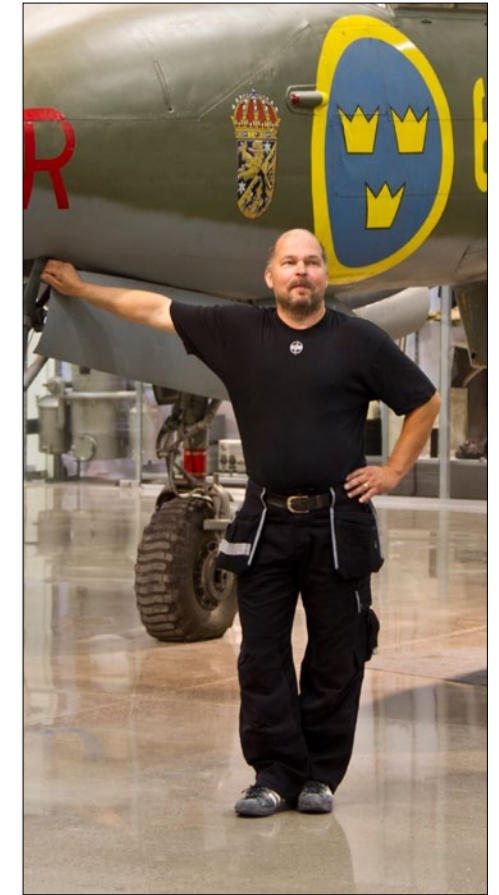


**Facts Flygvapenmuseum**

- Re-opened June 12, 2010
- Located in Malmslätt in the outskirts of Linköping
- The main attraction is "the DC-3"
- 12000 m<sup>2</sup> total area
- 5100 m<sup>2</sup> HTC Superfloor™
- [www.flygvapenmuseum.se](http://www.flygvapenmuseum.se)

**Facts HTC Superfloor™**

- Grinded by Stångå Clean AB
- 2 x HTC 950 RX
- 28-30 tonnes of grinding dust, approx. 6 kg/m<sup>2</sup>



## Tasteful concrete floors at Flygvapenmuseum

In the district Malmslätt on the outskirts of Linköping, Sweden, is Flygvapenmuseum (Air Force Museum), a museum of cultural history where you can view a variety of objects from the Swedish military aviation history. The museum re-opened June 12, 2010 after having undergone an extensive renovation and expansion and now among other things include a 5100 square meter exhibition hall with a stylish and high-gloss HTC Superfloor™. It is also this floor that is the reason for our visit to Flygvapenmuseum.

At Flygvapenmuseum, one of the things you can see is the DC-3 which in 1952 under mysterious circumstances was shot down over the Baltic Sea. The DC-3 exhibition is also the reason for the major renovation but the museum also offers several other interesting exhibits. Visitors can also learn the principles of aerodynamics, try to be a pilot for a day in the museum's flight simulator and much more. But as mentioned, our interest was focused primarily on the exhibition hall with the new concrete floor.

The exhibition hall houses a large number of aircrafts from the last 100 years, or from the pioneers of aviation to today's JAS 39 Gripen as said on the museum website. The aircrafts are arranged and presented on a 5100 m<sup>2</sup> high gloss HTC

Superfloor™ which provides a powerful first impression. Kjell Pettersson på Stångå Clean AB which was responsible for grinding the floor and Patricia Kastberg, Project Manager at the museum meet us to show us around.

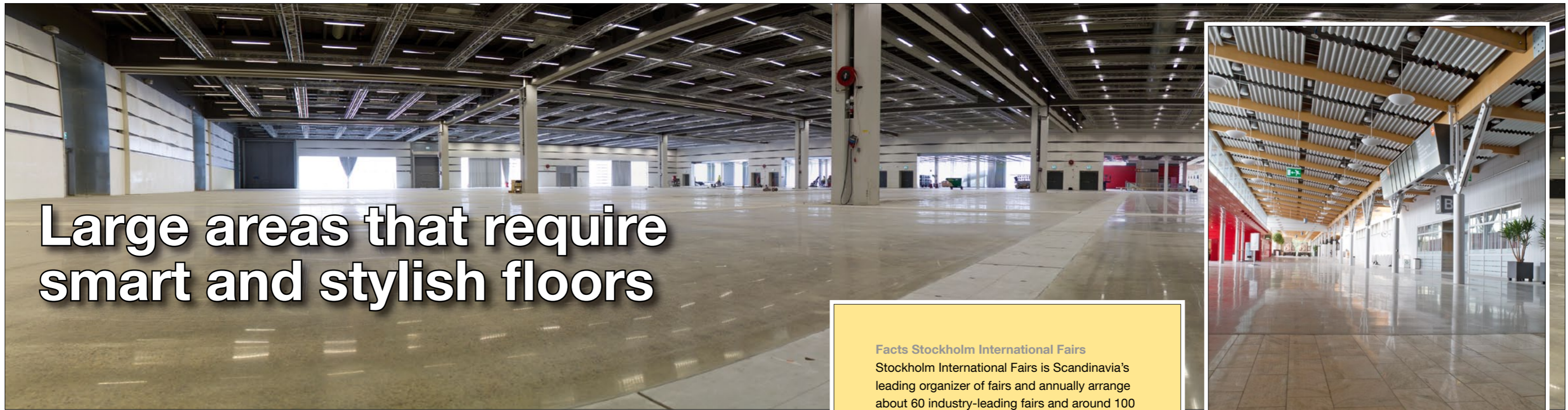
Patricia tells us that during the first two months since the re-opening the museum has had more visitors than it previously had in a year and that they are very pleased with the floor. In the beginning however they were a bit worried that the shiny floor would steal too much of the attention from the aircrafts and they therefore considered a less shiny version of HTC Superfloor™. Nevertheless, with everything in place you can see that instead of stealing attention the floor strengthens the overall impression and

give the aircraft the luster they deserve.

Before the renovation the concrete surface was covered with a thick layer of green epoxy so it is not hard to grasp the enormous difference the floor has done. Kjell tells us that they had two HTC 950 RX when grinding the floor. "In total it was between 28-30 tonnes of grinding dust, or 6 kg grinding dust per square meter", says Kjell.

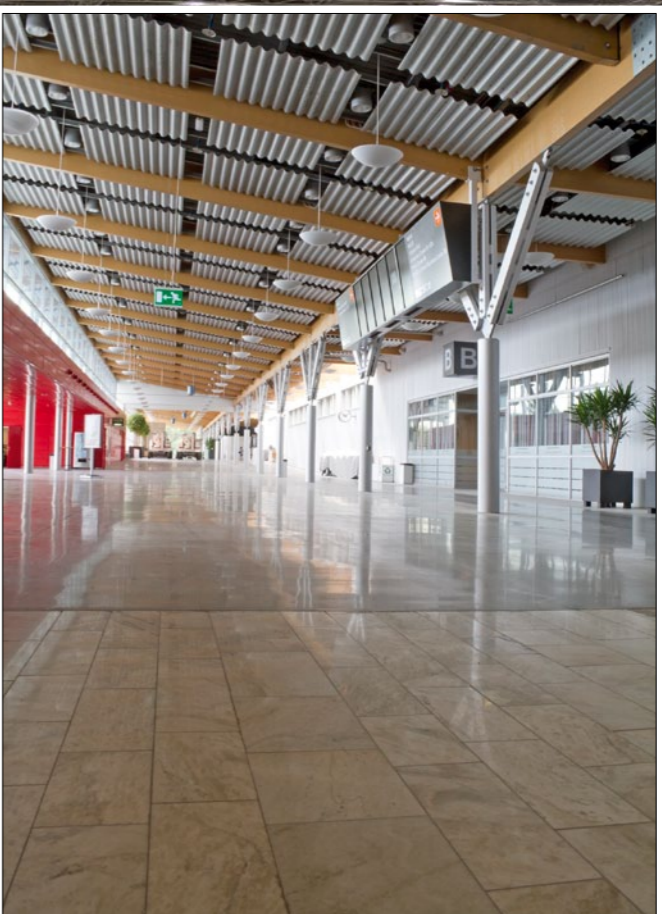
With a HTC 650 HDX Stångå Clean AB also grinded the 900 m<sup>2</sup> parquet floor in the restaurant and library, something we decided to return another day for. We left the Flygvapenmuseum knowing that an interesting environment now had the floor it deserves.





# Large areas that require smart and stylish floors

**Facts Stockholm International Fairs**  
 Stockholm International Fairs is Scandinavia's leading organizer of fairs and annually arrange about 60 industry-leading fairs and around 100 national and international congresses, conferences and events. Each year we welcome 10.000 exhibitors, 1.5 million visitors and more than 8.000 journalists from around the world.



## Stockholm International Fairs

At a trade show the floor might not be the first thing you look at but instead all the exhibitors that calls for your attention with their well-stocked stands. For the organizers on the other hand the floor is of great interest, not least for economic reasons.

At Stockholm International Fairs the floor in the newly constructed part of Hall A, measuring 7000 m<sup>2</sup>, has just been completed. This hall can be divided with partition walls like the other halls but will mainly be used for parties and events. Therefore, it suits particularly well that they have chosen grind the construction concrete into a so-called HTC Superfloor™. In other words, the raw concrete floor has been grinded and polished step by step with diamond tools into a high gloss, dust free and durable surface. So why did they chose this flooring solution instead of running with the same solution as in the other halls, consisting of painted asphalt for example?

### High demands on the floor

One of the main requirements imposed on a trade show floor is that it has to be strong and durable. Another requirement is that it ought to be nice of course and for this reason the floor is repainted twice every year.

“Prior to each exhibition the new booth spaces are painted on the floor and after a few shows the floor doesn't look that good anymore and needs to be repainted” said Bo Nyholm at Crenova Waste & Recycling who suggested the new concept for Stockholm International Fairs. “Moreover, the result of a repaint is not optimal since the old paint isn't removed and instead ends up under the new paint. For this reason the new paint easily peels off or course” adds Bob.

With a floor grinded into a glossy HTC Superfloor™ the paint can instead be cleaned away after a show using only a regular cleaning machine and the chemical free cleaning solution Twister™. The costly and environmentally harmful repainting is no longer needed.

Also the visitor who walks into the new eastern entrance is welcomed by a grinded and polished HTC Superfloor™, shining beautifully together with the marble floor from the isle between the halls.

### One single cleaning system

Can one really require anything more than to get sustainable, aesthetic and environmentally friendly floors in an exhibition facility? Well, actually yes. That you can clean all the hard floors, which includes e.g. 10.000m<sup>2</sup> marble floors and the new concrete floors, with one single cleaning system without any costly periodic maintenance. The chemical free cleaning system Twister™ that is already in use at the fair takes care of this.



# A natural choice for concrete specialists

HTC Superfloor™ was the natural choice for the concrete specialists Conjet.

The Swedish company Conjet AB, based in Haninge, about 20 km south of Stockholm is a world leader specialising in the manufacture of remotely operated high-pressure water jetting hydrodemolition machines.

These are used in conjunction with concrete repairs to remove concrete from sensitive structures, such as bridges, parking decks, dams, and tunnels. In direct response to the continuing and growing worldwide demand for Conjet AB products and services, the company is currently extending its equipment assembly building to cope with the increasing business. The new extension will more than double the assembly area and house a much larger parts stock holding section.

Conjet AB are experts in concrete technology and their natural choice for the building's new concrete floor was the HTC Superfloor™.

“We know HTC and its founder Håkan Thysell from the many exhibitions we have attended together on neighbouring stands,” says Conjet sales and marketing vice president Lars- Göran Nilsson. “We have chosen HTC Superfloor™ because we wanted a clean, smooth and low maintenance glossy floor in our new assembly hall, as we do not like painted floors as paint flakes off.”

Conjet contacted HTC during the planning stage for the new building and they selected to work with contractor Svensk Golvkonsult AB, a certified HTC Superfloor™ contractor. SGK was involved right from the start of the project and has placed the concrete and ground the floor to provide the HTC Superfloor™ finish required.

“To get the right aesthetic finish it was important to show the ballast in the concrete and we have achieved that with the HTC Superfloor™ produced by our contractor SGK,” adds Conjet president Carl Strömdahl.

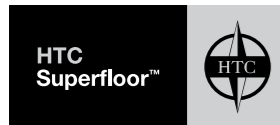


Conjet equipment was used at the world famous Panama Canal to replace the special rail tracks used by the locomotives to guide ships through the locks.



SGK grinded the floor with HTC's latest addition to the Industrialized-series; HTC 1500 ixT.





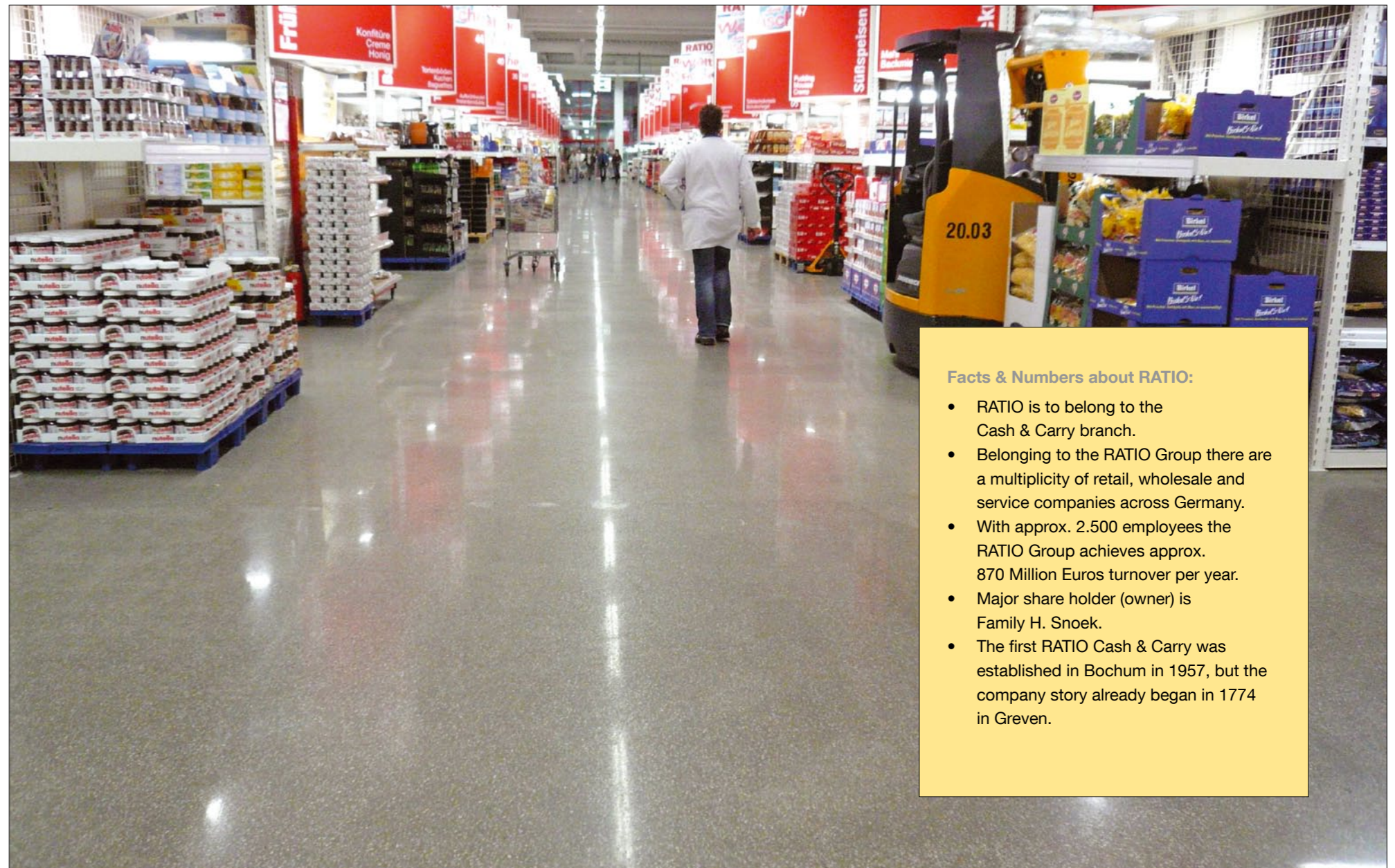
# RATIO likes HTC Superfloor™

It's not just the lamps that reflect them self in the floor. The high gloss concrete surface is like a mirror and you can even see yourself in the floor!

It's 7.500 square meters high polished Brecoplan made by our customer Popp Schleiftechnik. Between wine and whisky shelves, you just want to play soccer and the floor seems soft and – tender. But the homogeneous, monolithic surface is everything but soft – the industrial floor made from sand, cement, flint and binder is absolutely adamant! The Brecoplan is poured on the surface and after drying and polishing to an HTC Superfloor™ it becomes a sturdy and almost indestructible construction. There's no problem with dirt and skid marks, like from fork lifters, because it's easy to remove them again. By grinding and polishing with HTC Diamond tools and machines the Brecoplan surface is mechanically refined and the floor is going to be more durable and with a high gloss. By the way, the floor has much more wear-resistance compared to unpolished floors and it's really easy to keep it clean.

Finally a special impregnation is put on the surface and the surface becomes water and oil resistant. In order to maintain sustainable, HTC Twister™ is used. The eco-friendly diamond cleaning system (DCS) cleans without chemicals – just with water and snippy diamonds, which are on the cleaning pad.

Interesting note for frequently flyers: HTC Twister™ is also in use at the airports Düsseldorf and Stuttgart. High gloss, indestructible and washable the floor is still slip-proof. Even though playing football and a bottle of wine falls down, you can play on (but pick up the pieces!). Any stains can be removed with Twister™ if needed.



#### Facts & Numbers about RATIO:

- RATIO is to belong to the Cash & Carry branch.
- Belonging to the RATIO Group there are a multiplicity of retail, wholesale and service companies across Germany.
- With approx. 2.500 employees the RATIO Group achieves approx. 870 Million Euros turnover per year.
- Major share holder (owner) is Family H. Snoek.
- The first RATIO Cash & Carry was established in Bochum in 1957, but the company story already began in 1774 in Greven.



In the arrival hall the travellers are welcomed by HTC Superfloor™.

# One of “the world’s best floors” meets the travellers

**An airport is often associated with expectations and dreams. For many travellers the actual airport is the start of a much longed-for holiday or the first impression of a travel destination. For others it’s the place to meet loved once after a long trip. This is some of the reasons airports find it important to be perceived as attractive.**

- The airport must feel fresh and attractive when someone arrives to it. As it is an open forum for people from different parts of the world it is important to pay attention to the interior, also from a competitive point of view, says Jörgen Nilsson who works with marketing at Norrköping Airport.

The people living in the region surrounding Norrköping have really been given great possibilities to head out for adventures. At the moment 300 travel destinations are offered. This is made possible as, among other things, one of the airlines fly to Munich, Copenhagen and Helsinki which gives the chance to catch a connecting flight.

The increase of travellers obviously creates some practical demands apart from the esthetic aspects of the floors at the airport. Some areas are walked on by roughly 100.000 travellers/year plus other guests who e.g. visit the restaurant. Of approximately 3.660 m<sup>2</sup> floor surface both Terrazzo and HTC Superfloor™ (polished concrete) are represented. The later is Jörgen Nilsson especially satisfied with and he would prefer this type of

floor also in other areas of the building and not only in the arrival hall. HTC recommended to re-polish the floor as the original polish of the concrete floor was slightly faded due to incorrect method of maintenance under multiple years.

- We felt that our HTC Superfloor™ was reasonably nice as it was but after the re-polishing it really became like new, tells Jörgen.

- It works really well in the arrival hall. It is durable, easy to maintain and it gives a bright and fresh impression for the arrival travellers. Features that are important to us, he continues.

The transition to the recommended cleaning system Twister™ was painless when they also changed cleaning company.

According to Jörgen it’s easy, flexible, doesn’t interfere with the travellers and the result is perfect. A great benefit with Twister™ is that it is also used in other areas at the airport that has Terrazzo floor. They also upgraded these areas with Twister™ to give the floor its former polish back. This was performed together with Aquatech AB who is a reseller of Twister™ in Sweden. For the daily maintenance only Green Twister™ pad and water is used.

For the airline industry, which isn’t necessarily associated with environmental activities, it’s extra important to try and perform the best in other areas.

- One step in this environmental work

was for us to get the busses to go out to the airport which reduce the traffic to the airport. One other step which came as a bonus with the HTC cleaning system Twister™ was that we could exclude chemicals from the daily cleaning of the concrete and terrazzo floors, tells Jörgen.

All this can be summarized with what is told by an advertising sign in the arrival hall: “Congratulation! Right now you stand on one of the world’s best floors!”



The terrazzo floors are maintained the same way as the polished concrete, with Twister™.



Jörgen Nilsson, Marketer at Norrköping airport enjoys the “new” floors.

**Facts - HTC Superfloor™**  
 HTC Superfloor™ is a flooring concept with a technique that makes concrete more than just strong and hard-wearing. The technique is as simple as it is ingenious. HTC’s machines and diamond tools grind and polish concrete floors to remove the surface paste and expose the stronger concrete beneath. The result of this process is a stronger, more durable, shiny and beautiful floor. The environment and your bottom line both benefit too.

**Facts - Twister™**  
 Twister™ is a revolutionary cleaning system consisting of floor pads prepared with billions of microscopic diamonds which clean and polish the floor mechanically instead of using chemicals. Twister™ can be used on the most common floor surfaces such as terrazzo, natural stone, concrete, vinyl and epoxy. Twister™ is the tool that transforms your dull, worn floors into clean, glossy and brightly polished floors. Twister™ has unique advantages that benefit both the cleaning company and the floor owner.

# What treasures can be found under an old carpet?

Dybeck Bygg AB is a building company specialized in renovating apartments and houses. The company has just moved into new premises on Narvavägen in Stockholm, or perhaps you should say old premises half a flight down an old apartment house on fashionable Östermalm.

Before the move they decided to renovate the rooms. They took away two layers of plastic carpet and one layer of clinker and were just about to start using the scarifier to take away putty when they found that underneath the putty there were beautiful ceramic tiles, probably the original floor of the house that was built in the end of the nineteenth century. Luckily the scarifying was stopped immediately and instead Linds Terrazzo AB and PM Industrikonstult AB was called in to grind the floor instead. With machines from HTC Agne Lind at Linds Terrazzo AB and Tony Palmgren from PM Industrikonstult AB grinded an absolutely awesome floor, a more than 100 year old floor that now represent the entrance to Dybeck Bygg AB.

PM Industrikonstult also grinds HTC Superfloor™ and in a room behind the entrance the old concrete was grinded to HTC Superfloor™ by Tony. The result is a smashing floor that is smooth and easy to clean and that gives a boost to the whole old and very nice premises.

Christian Dybeck, MD of Dybeck Bygg AB, is pleased with the result.

- I am super happy. It is really nice, he says. It is the kind of floor you wish you had at home!

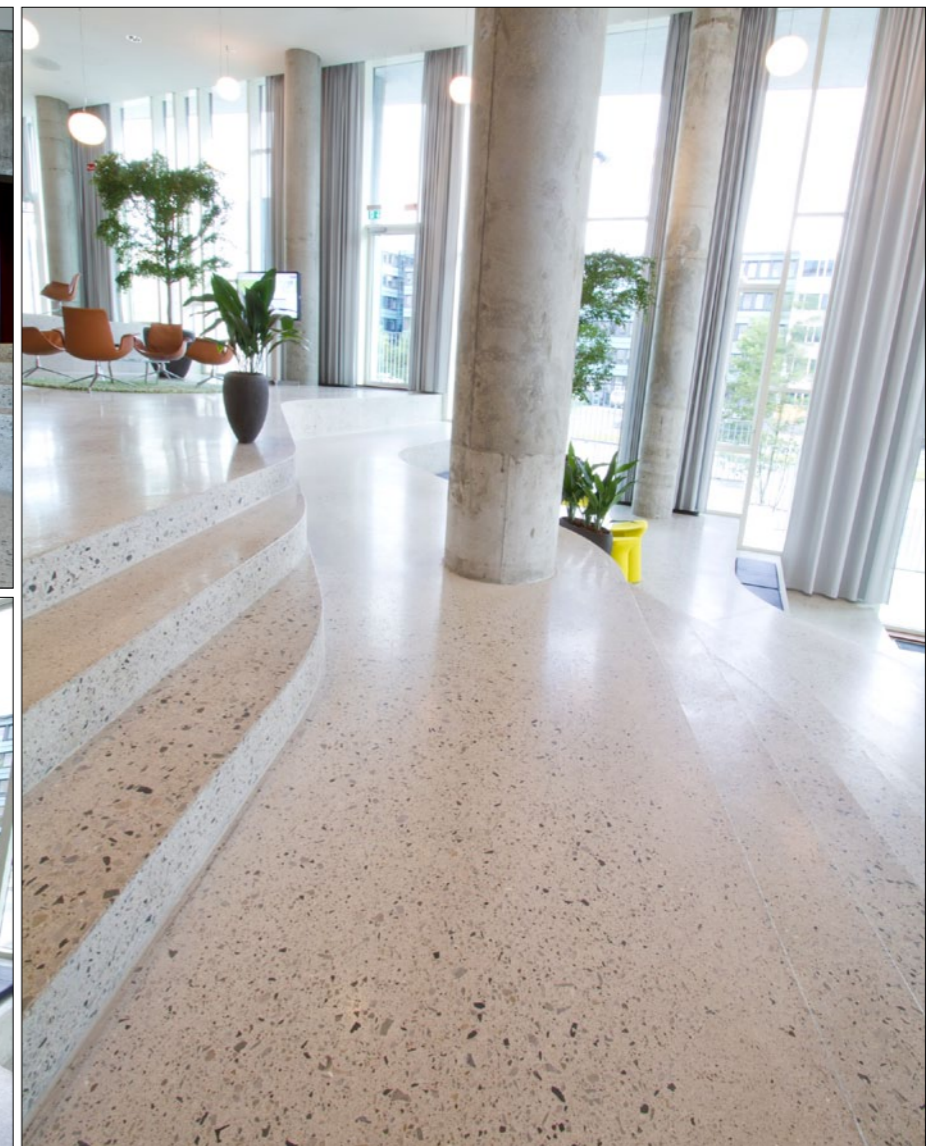
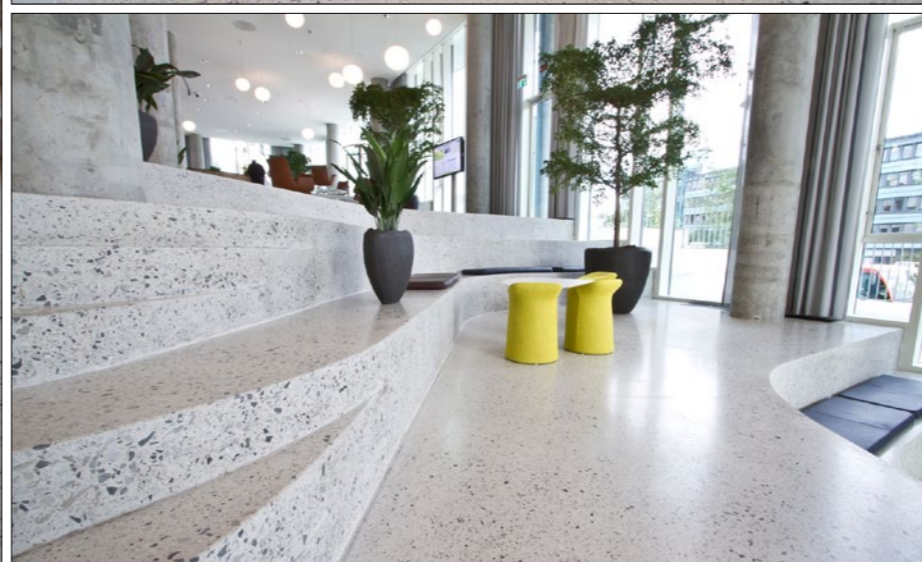




# SEB headquarter in Copenhagen Concrete architecture at it's best

The Danish architect firm "Lundgaard and Tranberg" is behind this amazing building in Copenhagen, Denmark which houses the Danish SEB headquarter. This building truly shows how beautiful and stylish concrete can be when used as part of the architectural design and what would be more appropriate than an HTC Superfloor™ in this environment?

The HTC Superfloor™ was made by the certified contractor Stadax Betongteam AB.





## Regional Council in southern Sweden

The Norwegian company Bordtkorp designed this building after winning an architectural competition in 2008 and "Skåne Regional Council" moved into their new offices in September 2010.

The building is an environmentally friendly building, a so-called "Green Building". This means that special considerations have been given to environmental issues throughout the construction process, what building material that should be used, energy consumption etc.

The HTC Superfloor™ was made by the certified contractor Sanpro AB.



## The strength beneath Lomma Rescue Service

In the Fire Station in Lomma in southern Sweden, the garage floor is a strong and durable HTC Superfloor™. The old concrete floor was in poor condition and after unsuccessfully having tried casting new concrete on top of the old concrete the Fire Department contacted the certified contractor Sanpro AB.



# HTC Superfloor™ Various locations





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