



Pool technologies and solutions ...



references

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With BADU you are always in good hands.

Our quality and expertise have been convincing people all over the world for centuries. Impressive projects such as swimming baths, wellness oases or the polar sea in Hagenbeck Zoo are the result.

BADU provides optimal water flow globally ...

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Organic lakeside hotel, Zeulenroda

Description

The Bio-Seehotel Zeulenroda has a sauna, wellness and fitness area as well as a paddling pond for children, all on a 1,600 m² plot. Moreover the pool area houses a 20 m swimming pool.

The pumps from SPECK are used for attraction pumps in the swimming pool and for both water cycles. One water cycle serves the swimming pool and the children's paddling pool and the other water cycle serves the dip pool in the sauna facility.

Pumps installed:



BADU Block 65/250



Normblock



Hotel with beach area



Swimming pool overlooking the lake



Engineering room

Wild Wild Wet water park

Description

Following the expansion and modernisation, the water park is a magnet for families, children and senior citizens.

More than 50 SPECK pumps are installed in the water park for the various attractions:

- slides
- pool area
- relaxation zone
- rafting trail
- wave pool
- lazy river
- fountains

Pumps installed:



BADU Block



BADU Resort



Slides



Children's fun area



Engineering room

Floating pool terrace

Description

The most famous hotel in Dubai, the Burj Al Arab, has expanded the hotel by a 10,000 m² large, floating pool terrace. The terrace has a freshwater pool, a swim-up bar, a saltwater infinity pool overlooking the sea and four whirlpools.

The freshwater and saltwater pools have a joint treatment cycle. The four whirlpools are also joined by a combined treatment cycle.

Pumps installed:



BADU Block 125/250
BADU Block 100/200
BADU Block 80/250
BADU Block 65/160



Pool terrace



Engineering room

Obermain thermal spa

Description

Due to the 12 % brine concentration, the Obermain thermal spa is a special project. A total of 27 swimming pools are spread out over 3,000 m². These are various pools, sauna pools, warm pools and brine motion pools.

Each pool has its own water treatment cycle, as each pool has a different water temperature and natural brine concentration. The SPECK pumps installed, in particular the pump housing, impellers and shaft seals, were configured especially for this application. Furthermore, all pumps were equipped with a frequency converter in order to guarantee the energy efficiency.

A mud water treatment unit with SPECK pumps is planned for the future.

Pumps installed:



BADU Block



BADU Resort



Outdoor pool



Swimming pool with relaxation zone

Harbour pool, Antwerp

Description

The new construction of the unparalleled harbour pool. This involved an old ferry being completely reconstructed. The result is a pool boat 120 m long and 25 m wide.

The pool boat houses a 30 m long, 9.50 m wide and 1.35 m deep swimming pool.

Pumps installed:



BADU Resort



Swimming pool



Engineering room

aquabasilea

Description

A total of 18 swimming pools and streams with a water surface of 2,160 m² are spread across 13,000 m² in the swimming and leisure facility. The facility is divided into a water park, a sauna world, a fitness centre and a wellness area. The water park is equipped with:

- wave pool
- climbing wall in the water
- slides
- wild river and mountain river
- rocky landscape

The 70 pumps from SPECK are distributed across four water cycles.

The benefits of SPECK pumps:

- water efficient
- energy efficient

Pumps installed:



BADU Block



Normblock



BADU Resort



Pool area with water attractions and reclining area



Outdoor pool



Engineering room

Open air pool, Eichstätt

Description

The newly built open air pool in Eichstätt especially appeals to families, youngsters, senior citizens and competitive swimmers. Alongside its 50 m sports pool, the open air pool offers a fun pool with various water attractions.

The SPECK pumps are used in all swimming pools and water attractions, cascade showers, massage nozzles and the mushroom fountain.

Pumps installed:



BADU Block



Normblock



Water stream pool



Left: fun pool
Below: engineering room



F3 swimming baths

Description

The swimming baths house a competitive swimming area, a wet adventure area and a sauna area. Many visitors are competitive swimmers, slide fans, families with small children and wellness lovers. The swimming area is split into six pools with swimming pool water and two pools with 2.5 % brine. The following attractions are installed:

- muddy play area
- whirlpool
- water cannons
- ring and tube slides
- water flower
- floor jets
- bubble loungers
- massage nozzles

Over 60 SPECK pumps with frequency converters are configured so that they can react to peak loads and off-peak periods in the best possible way.

Pumps installed:



BADU Block



Normblock



Photo: Christina Kratzenberg/massage pool



Photo: Christina Kratzenberg/
outdoor pool with water attractions



Photo: Christina Kratzenberg/engineering room

Kristall Palm Beach

Description

New construction of a water slide facility.

The water slide facility has its own water cycle, independent of that in the swimming pool area. The water quantity has to be chlorinated and analysed twice every hour.

The benefits of SPECK pumps:

- minimal removal clearance
- energy efficient

Pumps installed:



BADU Block



BADU Block Multi



BADU Resort



Slide park



Slide park



Engineering room

Langwasser swimming centre

Description

During the construction, the swimming centre was equipped with over 50 SPECK pumps. The swimming centre has a wide range of attractions on offer:

- olympic swimming pool 50 m x 25 m
- teaching pool
- diving pool
- leisure pool
- water attractions such as water cannons, water dragons, baby slides, hand pumps with boating channels
- children's paddling pool

Each pool has its own water treatment cycle. The used water is pumped into a pre-filter which treats the water. All pumps installed are equipped with a frequency converter.

Pumps installed:



BADU Block



Normblock



Olympic swimming pool



Swimming pool with water attractions

Burgers Zoo



Description

A novel mangrove forest was formed on a 3,000 m² area.

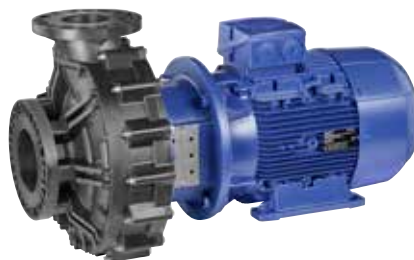
In order to adjust the tides in the forest, a complex hydraulics system was developed using various SPECK pumps. This guarantees the transition of water from the compensating reservoir into the main pool. Day after day, millions of litres of saltwater have to be kept moving, treated and led back.

Brine and brackish water create special requirements for the pumps used.

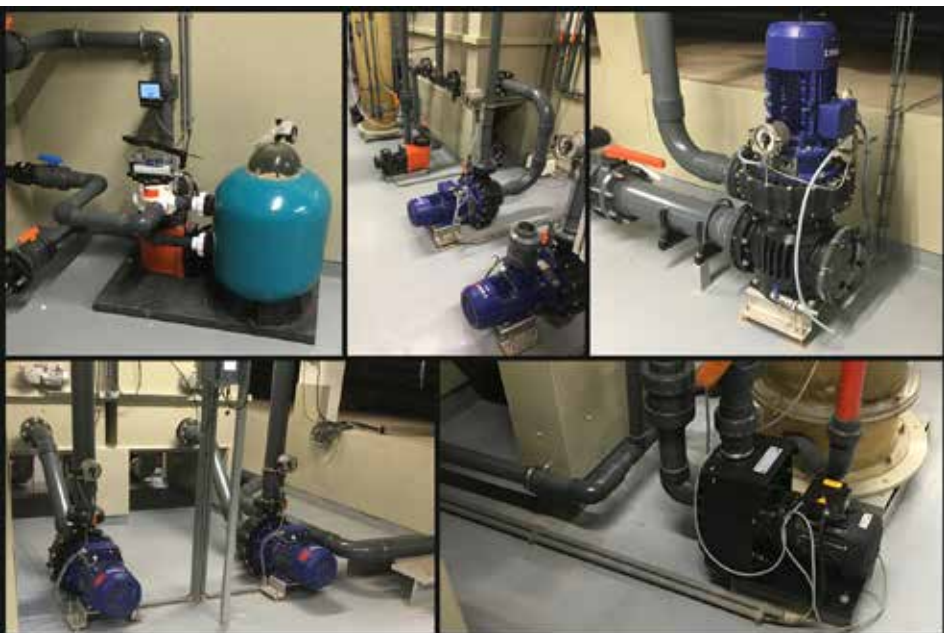
Pumps installed:



BADU Block Multi



Normblock Multi



Sports pool Ingolstadt



Description

About 2 years ago the sports pool in Ingolstadt, which was longed for by many swimming lovers for a long time, finally opened. Thanks to the new technical equipment, the pool offers completely new possibilities for sports clubs and schools. Cameras and timers make the swimming pool suitable for competitions. The energy consumption of the sports pool is far below values that seemed unthinkable only a short time ago. This is ensured by SPECK pumps with frequency converters, which reduce energy consumption and can even be switched off completely when not in use. The entire sports pool is supplied by two gas-fired combined heat and power plants, which generate all the electricity and heat for the pool.

Pumps installed:



BADU Block



Swimming pool



Engineering room



Engineering room



Engineering room

Forest beach pool



Description

Last year the Waldstrandbad celebrated its 80th anniversary. The bath is a natural bathing facility, which gets its water from a nearby river, the Schwalbenbach. The Waldstrandbad is the only pool in Bavaria that has a 100 m long pool, which makes it particularly popular among competitive swimmers. In addition to the large pool, the bathroom offers a wide range of attractions, such as

- A sandy beach
- A new diving board
- A campsite
- A beach volleyball court
- Ice skating (in winter)

The water is cleaned by invisibly installed filters and remains constantly in motion by the installation of several SPECK BADU Resort pumps.

Pumps installed:



BADU Resort



Slides



Diving platform



Pirate boat



Engineering room

Tropical Island

Description

Europe's largest tropical holiday world with sandy beaches, children's pools, indoor rainforest, mangrove swamp and sauna area. Visitors can expect countless opportunities for amusement and recreation:

- outdoor water park
- pools
- flow channels
- geysers
- bubble loungers
- waterfall
- children's water games
- adventure play area

The swimming pools are separated by three different water cycles. One water cycle is for the active pool area, the second is for the lazy river with a water volume of 3,500 m³ per hour and the third is for the summer pool, relaxation pool and the spray arena with multiple water attractions for children.

In the evening, the water is pumped into large storage facilities. The next morning the water is automatically pumped back. In this way neither the water nor the heat can evaporate.

The benefits of SPECK pumps:

- minimal energy costs despite generously sized units.

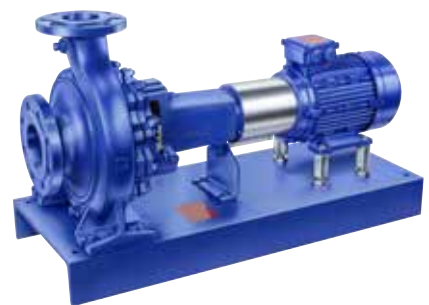
Pumps installed:



BADU Block



Normblock



Normpumpe

Vitamar

Description

Modernisation of a swimming pool with pumps from SPECK.

The swimming pool includes comprehensive equipment for attractions:

- swimming pool
- water slide
- grotto
- waterfalls
- children's paddling pool with water cannons

The pumps installed are used for water circulation and rinsing in the membrane and pre-filters.

Pumps installed:



BADU Block 50/315

Climate house, Bremerhaven

Description

SPECK pumps are used in the Klimahaus Bremerhaven in the following areas:

- various climate zones
- circulation of one million litres of water in various aquariums

The benefits of SPECK pumps:

- reliable
- low maintenance costs
- environmentally friendly

Pumps installed:



BADU Block Multi



BADU Block Multi Mar

Thermal spa Amadé



Description

The thermal spa for competitive swimmers and families offers multiple areas for relaxation, various swimming pools and a sauna area. SPECK pumps are installed in:

- swimming pools
- wave pools
- massage nozzles
- attractions
- lazy rivers
- children's pools
- looping slides

The SEPCK pumps were designed especially for the brine pools.



BADU Block



Normblock

Polar sea, Hagenbeck Zoo

Description

Hagenbeck zoo in Hamburg has built a polar sea for animals. The water treatment is carried out using SPECK pumps. Altogether 26 pumps are in use. These are divided between four water cycles. The five pools are equipped with both freshwater and saltwater. When used with seawater, the pumps have to be brine resistant and equipped with metal-free materials. For this project, large circulation rates in the water treatment are essential. Moreover, cold water must also be processed, as the water has to be cooled down for the animals who live there.

Pumps installed:



BADU Block



Normblock

list of references



Theresienbad	Swimming pool water	Vienna, Austria
CNI Les Thermes	Swimming pool water	Strassen, Luxembourg
Aqua Park	Swimming pool water	Kfar, Israel
Hotel pool	Swimming pool water	Lech, Austria
Aebi Armin	Swimming pool water	Switzerland
Messe Basel	Well water	Basel, Switzerland
Hallenbad Burgdorf	Swimming pool water	Bern, Switzerland
Therapiebad Egghölzli	Swimming pool water	Bern, Switzerland
Hallenbad Geroldswill	Swimming pool water	Zurich, Switzerland
Aqua Park	Swimming pool water	Crimea, Ukraine
Hallenbad Donaustadt	Swimming pool water	Vienna, Austria
Aquabasilea Pratteln	Swimming pool water	Pratteln, Switzerland
Aquacentrum	Swimming pool water	Hradec, Czech Republic
Aqua Park	Swimming pool water	Kiev, Ukraine
Centre Sportif La Blancherie	Swimming pool water	Delémont, Switzerland
Hotel Alexandra	Swimming pool water	Molde, Norway
Vogesenplatz, Basel	Well water	Basel, Switzerland
Aqua Park	Swimming pool water	Israel
Solebad	Brine	Gmünd, Austria
Piscine Colmar-Berg	Swimming pool water	Colmar, Berg, Luxembourg
Piscine Nonnewisen	Swimming pool water	Esch, Sur, Alzette, Luxembourg
Hotel	Swimming pool water	Schwarzmeerküste, Russia
Rains - De Saillon	Swimming pool water	Altenmark, Austria
Thayatalbad	Swimming pool water	Saillon, Switzerland
Diamant Chiasso	Swimming pool water	Raabs an der Thaya, Austria
Schwimmbad Diekirch	Swimming pool water	Diekirch, Luxembourg
Zwembad Kelmis	Swimming pool water	B-4720 Kelmis/Laa Calamine
Schwimmbad	Swimming pool water	L-9809 Hosingen
Freibad Heimenkirch	Swimming pool water	D-88178 Heimkirch
Schwimmbad Sportzentrum	Swimming pool water	D-09217 Burgstädt
Hallenbad/Sportbad Goldäcker	Swimming pool water	D-70771 Leinfelden
Hallenbad Röthenbach	Swimming pool water	D-90552 Röthenbach
Sauerland Bad Fredeberg	Swimming pool water	D-57392 Schmallenberg
Freizeitbad LA OLA	Swimming pool water	D-76829 Landau in der Pfalz
Hallenbad Gartenstraße	Swimming pool water	D-10115 Berlin
Strandhotel MORADA	Swimming pool water	D-18225 Kühlungsborn
Europabad Schwalmstadt	Swimming pool water	D-34613 Schwalmstadt
Ganzjahresbad Forchheim	Swimming pool water	D-91301 Forchheim
Bad am Brauhausberg	Swimming pool water	D-14473 Potsdam

Badepark Ellental	Swimming pool water	D-74321 Bietigheim-Bissingen
Beatusbad	Swimming pool water	D-56073 Koblenz
Freibad Nassau	Swimming pool water	D-56377 Nassau
Oktopusbad Siegburg	Swimming pool water	D-53354 Siegburg
Freibad Arnsdorf	Swimming pool water	D-94424 Arnsdorf
Freibad Untergruppenbach	Swimming pool water	D-74199 Heilbronn
Jürgen Frenzel Schwimmhalle	Swimming pool water	D-25436 Uetersen
Hotel König Ludwig	Swimming pool water	D-91086 Bad Griesbach
Freibad Furth im Wald	Swimming pool water	D-93437 Furth im Wald
Hallenbad Toeppersee	Swimming pool water	D-47239 Duisburg
Freibad Puchhausen	Swimming pool water	D-84152 Mengkofen
Freibad Amsham	Swimming pool water	D-84386 Eggldham
Garten-/Hallenbad Leipheim	Swimming pool water	D-89340 Leipheim
Grünwalder Freizeitpark	Swimming pool water	D-82031 Grünwald
Erholungsgebiet Doktor-See	Swimming pool water	D-31737 Rinteln
Sport- und Hallenbad Flensburg	Swimming pool water	D-24943 Flensburg
Freibad Reyershausen	Swimming pool water	D-37120 Boveden
Julius-Bad	Swimming pool water	D-38350 Helmstadt
Grand Spa Resort A-ROSA Sylt	Brine (seawater)	D-25992 List-Sylt
Schwimmbad Gochsheim	Swimming pool water	D-97469 Gochsheim
Therme Bad Griesbach	Swimming pool water	D-94086 Bad Griesbach
Hallenbad Kirchseeon	Swimming pool water	D-85614 Kirchseeon
Hallenbad Bönen	Swimming pool water	D-59199 Bönen
Freibad Deidesheim	Swimming pool water	D-67146 Deidesheim
Burgplatz Essen	Well water	D-45127 Essen
Freibad Neu Wulmstorf	Swimming pool water	D-21629 Neu Wulmstorf
Steintherme Belzig	Brine	D-14806 Belzig
Dantebad	Swimming pool water	D-80637 München
Freibad Arnsberg	Swimming pool water	D-59821 Arnsberg
Hallen- und Freibad Benrath	Swimming pool water	D-40893 Düsseldorf
Hallenbad Realschule	Swimming pool water	D-85077 Düsseldorf
Hallenbad Münster-Ost	Swimming pool water	D-48145 Münster
Hallenbad Wiembachthal	Swimming pool water	D-51379 Leverkusen
Wildorado Chemnitz	Swimming pool water	D-15745 Wildau
Freibad Birlenbach	Swimming pool water	D-65626 Birlenbach
Freibad Unterwellenborn	Swimming pool water	D-07333 Unterwellenborn
REHA-Klinik	Swimming pool water	D-37242 Bad Sooden-Allendorf
Stadionbad	Swimming pool water	D-50933 Köln-Nüngersdorf
Waldfreibad Walbeck	Swimming pool water	D-47608 Geldern



Kylltalbad	Swimming pool water	D-54306 Kordel
Hallenbad Mühlenau	Swimming pool water	Mühlenau
Rottal Therme	Brine	D-84364 Bad Birnbach
Hallenbad Wilster	Swimming pool water	D-25554 Wilster
Hippodom Zoo Köln	Water	D-50735 Köln
Naturfreibad Oberschneiding	Water	D-94363 Oberschneiding
Gradierwerk Bad Münster	Brine	D-55583 Bad Münster am Stein
Lehrschwimmbecken Atriumschule	Swimming pool water	D-73660 Urbach
Waldschwimmbad Büchen	Swimming pool water	D-21514 Büchen
Hallenbad Lage	Swimming pool water	D-32791 Lage
Miramar Freizeitzentrum	Swimming pool water	D-69469 Weinheim
Freibad Saline	Swimming pool water	D-06108 Halle (Saale)
Erholungs- und Freizeitbad Solymar	Brine	D-97980 Bad Mergentheim
Freibad Unter den Eichen	Swimming pool water	D-34302 Guxhaven
Staufenbad Aufham	Swimming pool water	D-83454 Anger
Erlebnis-Freibad Ebermannsstadt	Swimming pool water	D-91320 Ebermannstadt
Freibad Bad Griesbach	Swimming pool water	D-94086 Bad Griesbach
Neubau Schwimmwerk	Swimming pool water	D-07381 Pößneck
Rohräckerschule Esslingen	Swimming pool water	D-73728 Esslingen
Sportbad Zwickau	Swimming pool water	D-08056 Zwickau
Wellness Resort	Swimming pool water	D-18119 Rostock-Warnemünde
Hallenbad	Swimming pool water	D-27798 Hude
Fußball-Verband Sportschule Hennef	Swimming pool water	D-53773 Hennef
Erlebnisbad Aqua-Fit	Swimming pool water/ brine	D-93449 Waldmünchen
Freibad Bötzingen	Swimming pool water	D-79268 Bötzingen
Sportpark Nord Bonn	Swimming pool water	D-53177 Bonn
Schwimmbhalle Gymnasium Königsbrunn	Swimming pool water	D-86343 Königsbrunn
Europatherme Bad Füssing	Swimming pool water/ brine	D-94072 Bad Füssing
Förderzentrum Hören München	Swimming pool water	D-81929 München
Hallenbad Schöningen	Swimming pool water	D-38364 Schöningen
Oberzent Schule Beerfelden	Swimming pool water	D-64743 Beerfelden
Soletherme Otterndorf	Brine	D-21762 Beerfelden
Elb-Havel-Kaserne Geb. 18	Swimming pool water	D-39539 Otterndorf
Freibad Leisnig	Swimming pool water	D-04703 Leisnig
Hallenbad Bernkastel-Kues	Swimming pool water	D-54470 Bernkastel-Kues
Freibad Dorum-Neufeld	Brine	D-27632 Dorum-Neufeld
Waldbad Amelinghausen	Swimming pool water	D-21385 Amelinghausen
Fachklinik Satteldüne	Brine	25946 Amrum

Schwimmhalle Leuna	Schwimming pool water	D-06237 Leuna
Schul- und Vereinsbad	Schwimming pool water	D-71636 Ludwigsburg
Freibad am Willersinnweiher	Schwimming pool water	D-67063 Ludwigshafen
Hallenbad Hof	Schwimming pool water	D-95028 Hof
Schwimmhalle Marne	Schwimming pool water	D-25709 Marne
Tropical Island	Schwimming pool water	D-15910 Krausnick
Sportbad Ingolstadt	Schwimming pool water	D-85049 Ingolstadt
Landhotel Voshövel	Schwimming pool water	D-46514 Schermbeck
Cruise ship	Seawater	AIDA...
Cruise ship	Seawater	AIDAsol
Cruise ship	Seawater	AIDAblu
Cruise ship	Seawater	AIDAluna
Cruise ship	Seawater	AIDAbella
Cruise ship	Seawater	AIDAdiva
Cruise ship	Seawater	AIDamar
Cruise ship	Seawater	AIDAprima
Cruise ship	Seawater	AIDAstella
Cruise ship	Seawater	NCL-2012
Cruise ship	Seawater	NCL-2013
Cruise ship	Seawater	NCL-2014
Cruise ship	Seawater	Eclibse
Cruise ship	Seawater	Equinox
Cruise ship	Seawater	Braemar
Yacht	Seawater	Katie Sue
Yacht	Seawater	Katie Sue 2
Yacht	Seawater	Orca
Yacht	Seawater	Topas



SPECK X
pumpen

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