

# Splash



ProMinent®

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The ProMinent Magazine

**Mauritius –  
holiday heaven on earth**

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**Technology shopping at  
the interbad 2014**

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## PROMINENT at the interbad 2014

More than 500 exhibitors, about 16,000 visitors from 54 countries – every two years, the specialized fair interbad attracts industry professionals from Europe, Asia and Africa.

Visitors include operators of public swimming pools, hotels, fitness centres, spas and sports facilities, as well as architects and planners, consultants, pool manufacturers and retailers, installation companies and also private investors.

ProMinent – your reliable partner for water treatment – was part of it!



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## EDITORIAL

Dear readers,

When was the last time you truly relaxed? Or in other words: When did you dive in refreshing pool water and switch off completely? With all those external stimuli acting on us every day, it is not easy to stay focussed on what really matters. For example, going on a holiday with one's partner or the family - to relax, to do something good to your body and to fully recover. Splash has two absolutely marvellous proposals for you!

Sometimes it just has to be something particular – that is true for our two outstanding application examples of different kinds: The impressive castle hotel Mönchstein in picturesque Salzburg and the luxury resort hotel Trou aux Biches in Mauritius. Both hotels offer an extraordinary atmosphere and fulfil all wishes for a dream holiday.

„Dive in Switch off“ – was the motto of our trade fair appearance at the interbad 2014 in Stuttgart, Germany. Learn in this magazine, which innovations ProMinent presented on its booth. In my new function as national Branch Manager Pool and Wellness for Germany, I was pleased to get to know many visitors and new customers personally. My team and I were very satisfied with the interesting discussions and qualified questions regarding our new products.

One thing is for sure: Pool technology will always stay ProMinent's core business. Furthermore, our company takes responsibility in technical education and promotion of young generations. Find out more in the article on future qualified employees and masters for public bathing facilities.

Now, dive in the magazine and switch off from your daily routine!



Sincerely

Markus Rösch

Industry Manager  
Pool & Wellness  
ProMinent Deutschland GmbH



## MAURITIUS HOLIDAY HEAVEN ON EARTH

HIGH-TECH SEAWATER DESALINATION PLANTS AND POOL WATER DISINFECTION SYSTEMS OPERATING SUCCESSFULLY IN ONE OF THE MOST LUXURIOUS HOTEL RESORTS IN THE WORLD



## TROU AUX BICHES RESORT & SPA

Have you ever felt like being in paradise? If no, there is an opportunity: Spend a holiday at the Beachcomber Hotel Trou aux Biches in Mauritius. Surrounded by a breathtaking landscape, the five-star luxury hotel is the perfect place to immerse into another holiday dimension. Chalet-style suites and private villas located in lush tropical gardens welcome international guests in the first eco-friendly resort on the island.

### MAURITIUS - HOTSPOT FOR FIRST CLASS TOURISM

The Island of Mauritius has all prerequisites for being one of the world's top luxury tourist destinations. Emerged from the Indian Ocean as a result of gigantic volcanic eruptions millions of years ago, it is encircled by a broken ring of mountain ranges reaching a height of just over 800 meters above sea level.

Mauritius is situated some 2,000 kilometres off the south east coast of the African continent, with a length of 65 and a width of 45 kilometres. Protected from the ocean by the third largest coral reef in the world, it provides picturesque lagoons with turquoise water and more than 150 kilometres of white sandy beaches.

Thus, it is no surprise that tourists can choose from more than hundred well-designed and well-managed hotels, at least half of them decorated with four of five stars. The international guests enjoy a pleasant climate, swim in warm seawater and experience a colourful tropical flora and fauna. Last but not least, the multiethnic and multicultural population is characterized by its friendliness and welcoming attitude. These tourism assets are outstanding, so that during the last five years alone Mauritius received from the renowned World Travel Awards several times the awards World's Leading Island Destination, World's Leading Beach Destination

and World's Leading Honeymoon Destination. Well, if you are getting married soon or celebrate a special wedding anniversary – Trou aux Biches is the place to go!

### THE PERFECT SETTING

The Trou aux Biches Resort & Spa situated on the northwest coast of Mauritius at one of the world's most beautiful beaches offers everything one can expect from a luxury hotel. The guests are accommodated in 240 magnificent chalet-style suites built in crescents, 27 private villas placed among the lush tropical gardens and 66 beach front suites.

In six restaurants, a world of flavours from Asia to the Mediterranean sea is served. If all this is not enough for the personal well-being of the hotel residents, a luxurious spa in a particular area of the resort with cool reflecting ponds provides several massage cabins, two saunas and two hammams ensuring excellent recreation for body and soul.

## COMPREHENSIVE EXPERTISE FOR A COMPLEX TASK

YOU CAN HAVE IT ALL: A DAY FILLED WITH WATER SPORTS SUCH AS SCUBA DIVING AND SNORKELLING, TENNIS ON SIX COURTS, TRAINING IN THE SPORTS CENTRE OR MOUNTAIN BIKING, JUST TO NAME A FEW.

And to crown your splendid day: A romantic evening in front of your suite watching a dramatic sunset over the Indian Ocean.

### POOL OR SEAWATER?

It is up to you if you prefer swimming in crystal-clear pool waters or take a dive in the ocean. As all private villas and beach front suites are equipped with a private pool. The other suite categories open onto large pools centred at the heart of each crescent. Of course, the Trou aux Biches also has a huge swimming pool designed as a key feature in the main area. Even the mini-club,

which is reserved for children aged from 3 to 12, has its own pool. So, wherever you are, a pleasant pool is always near.

In total, the hotel resort has 110 pools and 9 ponds. Trouble-free operation of such a big number of pools is one the most crucial factors for the success of the complete hotel. It is part of the luxury promise to the demanding guests.

FOR THAT REASON, THE MANAGEMENT OF THE TROU AUX BICHES DECIDED TO RELY UPON ADVANCED WATER TREATMENT AND DISINFECTION TECHNOLOGY FROM PROMINENT.

The cooperation already started in 2007 with a first seawater reverse osmosis plant in one of the Beachcomber hotels followed by equipping the pools of almost all hotels with the sophisticated measuring and control system DULCOMARIN®.

During an extensive renovation phase a few years ago, the layout of the hotel was modified adding many more pools to the resort. Over a period of six months all pools and ponds were equipped with easy to use and environmentally friendly technology for the provision of hygienic and clear pool waters. For the entire hotel, the scope of supply by ProMinent comprised mainly the following water treatment products and systems: Nearly 200 metering pumps Beta® and 14 metering pumps gamma/ L, two desalination plants 250 m³/day each, four chlorine dioxide systems Bello Zon® CDVc, one of each electrolysis system CHLORINSITU® III and CHLORINSITU® IV, six measuring and control systems DULCOMARIN® II as well as lots of accessory equipment such as injectors, sensors, valves and flow controllers.

The DULCOMARIN® II controls the exact amount of chlorine present at any time in the pool water, ensures a correct pH and redox potential and provides a full traceability of several other parameters.

AN ETHERNET NETWORK INTERCONNECTS ALL POOLS, THUS, ALL POOL PARAMETERS ARE ACCESSIBLE TO THE MAINTENANCE MANAGER CENTRALLY IN HIS OFFICE. ADDITIONALLY, THE WHOLE SYSTEM CAN BE REMOTELY CONTROLLED VIA IPAD.

Monsieur Mathieu Rivet, Group Technical Director at New Mauritius Hotels Ltd, explains: *"We are using the excellent DULCOMARIN® pool controllers in most of the pools of our hotels with great success as they provide real added values such as precise control of the water quality leading to a better swimming experience for the guests and huge reduction in chemical usage for pool disinfection. Full traceability of all pool parameters, a feature, which is particularly useful when faced with guests' complaints regarding issues with a pool. And of course,*

*the central control point for all the pools via CAN bus technology. This feature has been extensively used in several of our hotels, the most impressive one being at the Trou aux Biches Hotel where more than 110 pools are connected via a single CAN bus network and all parameters are accessible in one central location."*



### CHLORINE DIOXIDE – GOOD FOR POOL WATER AND ENVIRONMENT

The Trou aux Biches hotel has even taken a step further and introduced chlorine dioxide technology based on technical support by the disinfection specialists from ProMinent.

The chlorine dioxide generators Bello Zon® CDVc are used for the following applications: Disinfection of incoming mains water; iron precipitation and algae neutralisation in seawater intakes for the desalination plants; biofilm destruction and network cleaning for hot and cold water distribution networks; legionella prevention treatment for cooling towers; and for the disinfection of irrigation water.

Due to the installed precise dosing and control systems, the water in all pools is of excellent quality thanks to chlorine levels being kept constant at all times. Chlorine levels are kept

at 0.5 ppm constantly compared to normal systems where chlorine is dosed manually resulting in peaks and troughs of chlorine. Safety of the bathers is greatly improved and chlorine usage greatly decreased.

ANOTHER VERY POSITIVE EFFECT IS THAT LESS CHLORINE IS DISCARDED TO THE ATMOSPHERE VIA BACKWASH, SO THAT THE NEARBY WETLANDS ARE PROTECTED.

## INTELLIGENT HANDLING AND DISTRIBUTION PROCESS

Furthermore, with the installed CHLORINSITU® systems at the Trou aux Biches, liquid chlorine having a 2.5% concentration is generated in-house from purified salt. The liquid chlorine is stored in a 1,000 liter tank and distributed in two ways via a pressure pump.

For the bigger pools, there is a distribution pipe that goes from the storage tank to the different pools where there are smaller tanks and a level control system. As soon as chlorine is required, the control system opens a valve and allows the tank to be filled. The chlorine

is then dosed in the pool by the DULCOMARIN® system.

The second way is via a dispensing system located outside the building with the storage tank. Chlorine is transferred using this dispensing unit into a dispensing tank located on top of an electric cart. The chlorine is then transferred to the smaller pools by the cart and an attendant. By this way, the risk associated with the storage of granular chlorine is eliminated and the risks for the attendants are greatly reduced due to the low concentration of the liquid chlorine.

## FACTS

Reliable operation of more than 110 pools using six central measuring and control systems DULCOMARIN® II

Electrolysis systems CHLORINSITU® for environmentally-friendly water disinfection

Excellent worldwide support and training providing overall customer satisfaction

*“At Trou aux Biches, the presence of more than 110 pools and ponds has greatly justified the investment in one such system with the installation of a dedicated chlorine distribution pipeline throughout the hotel to the various pools and its link to the DULCOMARIN® system,”* summarizes Mathieu Rivet.

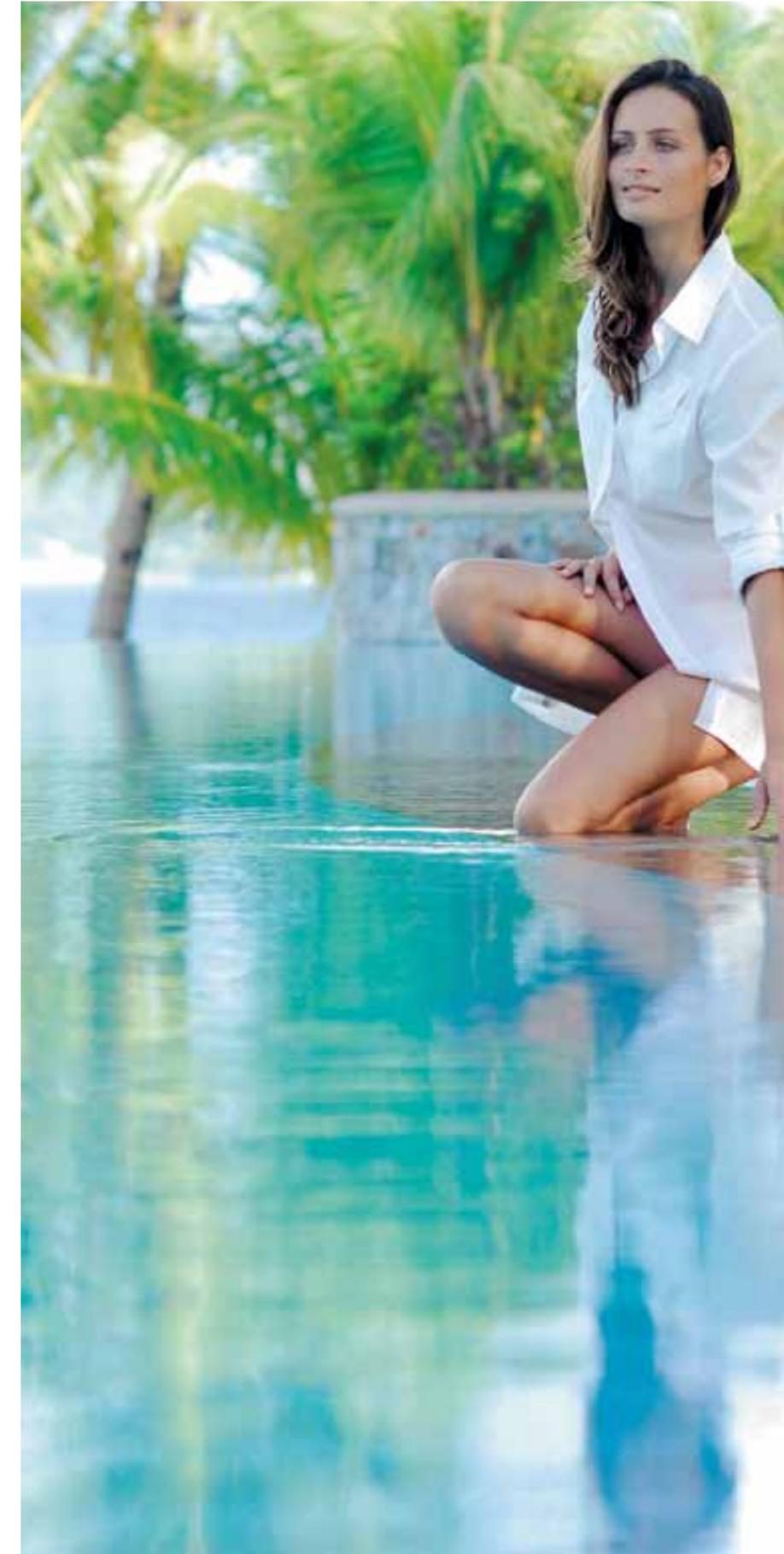
## EXCELLENT CUSTOMER RELATIONSHIP

While providing the latest in luxury focusing on privacy, space and diversity, due to its high-tech equipment for water treatment applications, Trou aux Biches is the first eco-friendly resort in Mauritius. The Management of the Beachcomber hotel group, operating eight first class hotels in Mauritius, one at the Seychelles and one in Marrakech rely on ProMinent products and systems because of their high quality and reliability – and the worldwide support.

States Mathieu Rivet: *“To be able to understand the operation and theory behind all the above systems our personnel have been trained both locally, in South Africa and at the Head Office of ProMinent in Heidelberg, Germany. Training offered is highly professional and has allowed us to be autonomous in terms of machinery follow-up, maintenance and repairs. All this has been achieved thanks to the dedication of Mr Jock Bartolo and to the high service level offered by him and his team both from ProMinent South Africa and Heidelberg.”*

So, what do think of making a trip to Mauritius and checking out all these fantastic amenities by yourself? What about a holiday you have always dreamed of?

IT'S THERE IN THE INDIAN OCEAN - JUST GET READY FOR YOUR NEXT DREAM DESTINATION TROU AUX BICHES!



# POOL TECHNOLOGY EASY TO UNDERSTAND

BECOME A POOL EXPERT YOURSELF!

In the last issue of Splash, we explained the functioning of a skimmer pool in our new article series. For higher demands and larger budgets there are further attractive pool solutions – for example, the overflow pool. Learn, how such a system operates, which equipment is required and which advantages it offers. Follow us and take another look behind the “pool scenes”.

## SKIMMER OR OVERFLOW POOL?

This question only arises in the private sector, as the legislator requires overflow technology for treatment of backwash water in hotels or public swimming pools due to hygienic reasons. Today, pool water treatment is normally carried out according to the fol-

lowing steps: mechanical filtration of pool water, chemical water treatment and hydraulic water circulation in the pool itself. If one of these steps in the treatment chain is not functioning correctly, the water quality suffers and the operational costs are affected.

## OVERFLOW POOL – THE POOL FOR ADVANCED USERS

### The functioning principle of an overflow pool is quite simple:

The pool water flows regularly over the pool edges in an overflow gutter surrounding the entire pool and from there into a surge water container. The circulating pump sucks the unfiltered water, which is then cleaned in the sand filter. Depending on the process used, the water is treated, for example, by means of electrolysis or chlorine and the pH value is adjusted. Subsequently, the cleaned water is refilled through the inlet nozzles into the pool.

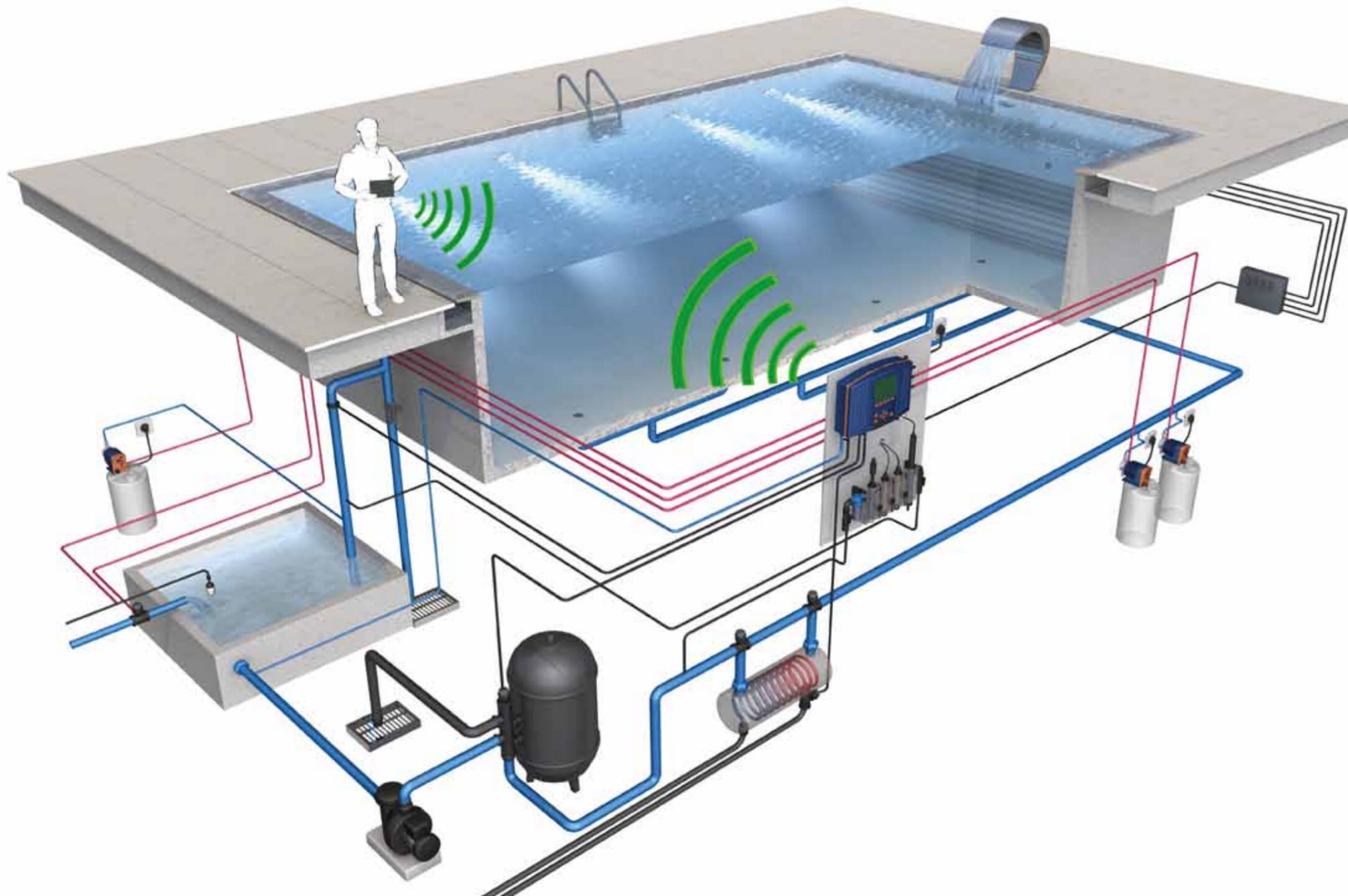
**The core difference to the skimmer pool is the water level:** In the overflow pool it is at ground level, in the skimmer pool it lies 15 to 20 centimetres below. As the swimmer can look above the pool edge, a fantastic sense of spaciousness is created. Moreover, no reflected waves are generated, which is particularly advantageous in competitive sports. Due to the surrounding overflow gutter, additionally, more surface water is fed to the treat-

ment system. This accelerates the circulation in the pool and avoids dirty marks on the pool's walls or deposits in the edges. All in all, an overflow pool has an excellent vertical water circulation. Another benefit when using an indoor pool: If the pool cover in the hall is open, losses due to evaporation can be reduced in an internal cycle.

## THE POOL TYPES BY COMPARISON

As explained in the first article, due to its manageable technical effort required and simple maintenance, the skimmer technology is well suited for smaller pools and limited budgets.

However, an overflow pool demands for a larger space due to its surrounding overflow gutter and the additional surge water container. Furthermore, precise installation skills are required, so that the water can flow smoothly over the gutter. Otherwise, this could negatively affect the biggest advantage, namely the outstanding optics. In combination with considerably better pool hydraulics, first of all when elaborate pool shapes are used, and the reduced consumption of chemicals for water treatment, the additional costs for an overflow pool are put into perspective. One thing is for sure: No matter what pool type you may chose, ProMinent provides the right products and systems for efficient water treatment and reliable disinfection for every pool.



# TO THE POOL? JUST GO NEXT DOOR!

THE HOLIDAY PARK "KLEIN VAARWATER" ON THE DUTCH ISLAND AMELAND OFFERS A HIGH-CLASS FAMILY ACCOMMODATION. SEVEN LUXURIOUS HOLIDAY VILLAS ARE EQUIPPED WITH SAUNA, SOLARIUM AND INDOOR POOL AND THUS, GUARANTEE FOR A GREAT HOLIDAY FEELING EVEN IN RAINY WEATHER.

Ameland, measuring about 60 square kilometres, is one of the five West Frisian Islands in the North Sea and lies in the heart of the UNESCO World

Heritage Wadden Sea. The island with its 3,500 inhabitants is a popular holiday and excursion destination. It lures not only with its unique nature, but also with a lot of attractions such as the nature centre, several museums, captain's houses or trips with fishing cutters to seal resting areas and mussel banks.

Since a few years, the particular attraction of the holiday park "Klein Vaarwater" are seven luxurious holiday villas, each

equipped with its own indoor pool at ground level alongside the living-room. The standard facilities also comprise of a sauna, an infrared and a steam cabin as well as two solariums. Each villa has its own filter system and heat exchangers.

## SOPHISTICATED TECHNOLOGY FOR DEMANDING GUESTS

Gerrit Backers, Managing Director of the company Backers being responsible for the complete technical installations, explains the challenge in this project:

*"Due to the fact, that the swimming pool was integrated in the living area, for example, there should not be any odour nuisance. As well, easy access for servicing and maintenance purposes had to be provided."*

ProMinent supplied the sophisticated water treatment technology. The membrane electrolysis system CHLORINSITU®

produces hypochlorous acid, which is used for disinfection and at the same time lowers the pH-value.

The DULCOMARIN® II central unit controls all pools of the holiday villas. The instrumentation, the disinfection system and the 14 metering systems for the seven villas are located externally in a separate plant room. There, the raw material salt can be centrally dissolved and the instrumentation can be centrally maintained without any disturbance of the guests.

Gerrit Backers points out: "Due to the directives which apply in the Netherlands, it is required to measure the water parameters several times per day. For this reason, two measuring systems per villa and swimming pool have been installed. One is used for measuring and control, the other for monitoring.

*By means of a PC connected to the existing network, ProMinent and ourselves have remote access directly to the system and thus, can immediately intervene when necessary."*



Holiday villa in "Klein Vaarwater" on Ameland



## FACTS

Decentralised control and remote monitoring of complete water treatment with central unit DULCOMARIN® II

External plant room allows for easy service and maintenance access

Meeting highest quality requirements due to integration of pool into living area



## CYCLING OR SWIMMING? BOTH IS POSSIBLE!

### DULCOMARIN II RELIABLY CONTROLLED RELEVANT WATER PARAMETERS IN TEMPORARY POOL DURING EUROPEAN SWIMMING CHAMPIONSHIPS IN BERLIN

Did you know that it is possible also to swim in a velodrom? Okay, not really, but in a converted one – yes! During the recent European Swimming Championships in Berlin that is exactly what happened. ProMinent showed sporting spirit and provided quick-to-install technology for use in the mobile swimming pool.

The result is quite impressive: In August, 930 athletes from 54 countries participated in the European Swimming Championships in the German capital Berlin. More than 50,000 spectators visited the sports event, which lasted almost two-weeks, and watched 64 competitions. The German swimmers won 22 medals in total, six of them were gold medals. One of the most acclaimed highlights by the cheering crowd in the velodrom was without doubt the victory of the German men's 4 x 200 metres freestyle relay.

#### SWIMMING IN A VELODROM?

The swimming hall in the Europa Sports Park, which has already been used for the European Championships in 2002, has in the meantime become too small for the requirements of the European Swimming Association LEN and for the television broadcasts. For that reason, a temporary pool with a depth of 2.10 metres was installed



in the velodrom for the 42 swimming competitions. Thus, in the converted velodrom about 5,000 spectators could watch the athletes swimming in the 50 x 22.5 metres pool. The Berlin Velodrom is one of the most impressive multipurpose arenas in Germany, having a suspended roof construction made of steel, which is unique in Europe, and with a diameter of 142 metres the largest of its kind in the world.

After two weeks installation time, finally, 2.5 million litres of drinking water were filled by means of an especially built pipe in the steel pool lined with blue PVC. Daily, about 200 litres of this water evaporate. In order to avoid water condensation on the steel roof construction, the arena had to be warmed up slowly. Moreover, the maximum humidity in the arena must not exceed 50 percent, which was very pleasant for the spectators, as this level is much higher in normal swimming halls.

#### BEST WATER QUALITY GUARANTEED

Well, if already the pool is mobile, and in a short time an arena for cycling

competitions and concerts must be converted into a demanding swimming facility, also the technology for water treatment should be quick to install and to disassemble. The Italian company **Myrtha Pools**, which supplied the competition pool, is a long-lasting partner of ProMinent and convinced by its products. For the execution and technical support during the European Championships, the specialised company **KWS Technische Dienstleistungen e.K.** from Berlin was selected.

Within only three days the “mobile team” of KWS service technicians installed the following components: One DULCOMARIN® II for measuring and controlling the parameters pH value, redox and free chlorine; two solenoid-driven metering pumps Beta® for the disinfection with chlorine and for adjusting the pH value; two PE containers, each for 250 litres; two peristaltic pumps DULCO®flex DF4a for metering of flocculant.

The DULCOMARIN® II is perfectly suited for this mobile application: It fulfils all requirements according to German DIN 19643 for public swimming pools, is quick-to-install and easy-to-use, and by means of the CAN bus system, configuration of chlorine sensors and metering pumps is fast and uncomplicated. Thus, for ensuring an all-time optimal water quality during the complete European Swimming Championships, the relevant parameters in the competition pool were permanently controlled and in case of deviations, automatically adjusted.

### OLYMPIC STANDARD TECHNOLOGY

Today, mobile pools are almost the rule at big swimming competitions, due to the fact that this core Olympic sport should also be marketed as an event. Be it a built swimming hall or a mobile pool, ProMaqua® products and systems for water treatment and disinfection are always part of the games: First use of the efficient technology from the Heidelberg based company was made in 1972 in Munich. Followed by Seoul, Barcelona, Sydney, Athens, Beijing and London. This is a very good preparation on the ambitious way to the Olympic Games 2016 in Rio de Janeiro. And since this summer, German athletes already have excellent memories regarding Rio – the football team won the World Championships!



Experts on-site: from left to right Luciano Sominazzi (Myrtha Pools), Sebastian Beck (KWS), Simone Pedroni (Myrtha Pools)

# HIGH TECHNOLOGY SHOPPING AT THE INTERBAD 2014

THE E-COMMERCE, VIRTUAL SHOPPING ON THE NET, REGISTERS INCREASING GROWTH RATES EVERY YEAR. BUT TO BE HONEST, YOU WILL CERTAINLY NOT INVEST IN A CHLORINE DIOXIDE PLANT FOR YOUR SWIMMING POOL IF YOU HAVE NOT SEEN IT IN REAL AND HAVE NOT DISCUSSED ALL ISSUES WITH AN EXPERT BEFORE. BOTH WAS POSSIBLE FROM 21ST TO 24TH OF OCTOBER IN STUTTGART, GERMANY, AT THE INTERBAD 2014: PROMINENT PRESENTED UNDER THE MOTTO "DIVE IN - SWITCH OFF" IN HALL 4, STAND 4D74, NEW PRODUCTS AND ECONOMIC SOLUTIONS.

## NEW IMPULSES

The interbad 2014 was a real highlight: About 500 exhibitors from more than 50 countries were expected. Advantages of the specialized trade fair are the numerous exhibiting premium suppliers as well as the combined offer for the private and the public pool and wellness sector. Trade visitors and decision makers could find all necessary information regarding the latest technologies and trends from economy and research. There was also a comprehensive support programme with events such as the 65th congress for pool and bath technology and the spa market conference.

## NEW TEAM PLAYER

The new "team coach" for the branch pool and wellness of ProMinent Germany, Markus Rösch, was present at our stand for answering questions of the trade visitors. He coordinates the entire national German team consisting of commercial handling, branch experts, sales and service – always focussing on direct contact with the customer. He was pleased having technical discussions about our new products and their fields of use in your specific application.

## NEW PRODUCTS

Some time ago there was a well-known German television advertisement for a beer brand saying: "Just look – don't touch!" However, that was not valid at the ProMinent stand: Here, you could touch all the exhibits and get a real picture of our innovations.

## TECHNOLOGY IN A NUTSHELL – METERING SYSTEM DULCODOS® POOL

For every pool, for every volume of water, for every demand the matching metering system – our popular product series DULCODOS® Pool is from now on available in four standard designs: DULCODOS® Pool Soft, Basic, Comfort and Professional. Due to pre-assembly, all complete systems are quickly installed and ready for immediate use. They ensure an excellent water quality at reasonable investment costs.



## TOUCHING HIGH-END – MEASURING AND CONTROL SYSTEM DULCOMARIN® II

With this device, you are able to control everything of your pool system! Our "power pack" controls up to 16 water circuits, additionally, for example circulating pumps and backwashing, and even the pool lighting. All relevant parameters are continuously and reliably recorded with the DULCOMARIN® II centrally, are evaluated in real-time and controlled decentralized using a CAN bus network. Thus, it is also possible to easily enter and control the desired parameters by means of a smartphone or tablet.

## HYGIENE PARAMETERS IN OPTIMUM RANGE – EFFICIENT DISINFECTION PROCESSES

With Smart Disinfection, only ProMinent offers its customers the benefit of providing all common disinfection methods from one single source: UV and ozone treatment, chlorine dioxide and electrolysis systems. Find out more about the latest technologies and select together with our experts the best process for your specific application.

### Electrolysis system CHLORINSITU® V+

No more handling of dangerous chemicals

### UV plant Dulcodes S

Eliminate chloramines effectively and economically

### Ozone plant OZONFILT® OZMa

Less circulation, less backwashing volume, less operational cost

### Chlorine dioxide system

#### Bello Zon® CDLb

Safe process and environmentally-friendly operation

SO, WHAT ABOUT SOME "SHOPPING FOR REAL" NOW? CHECK OUT FURTHER INFORMATION ON OUR NEW PRODUCTS AND HOW THEY SUPPORT YOUR APPLICATION ON OUR WEBSITE [WWW.PROMINENT.COM](http://WWW.PROMINENT.COM).

## SECURING THE FUTURE BY PROMOTING YOUNG GENERATIONS

WHO WANTS TO SECURE A COUNTRY'S ECONOMIC FUTURE HAS TO INVEST INTO TRAINING AND PROMOTION OF YOUNG GENERATIONS. THUS, SINCE MANY YEARS PROMINENT IS FOSTERING ECONOMIC AND SCIENTIFIC EDUCATION. LATEST EXAMPLE: THE COMPANY VISIT OF STUDENTS FROM THE HEINRICH-LANZ-SCHULE LOCATED IN MANNHEIM, GERMANY.

### INSIGHTS INTO A PRODUCTION COMPANY

On two consecutive days in the middle of June, each day one group of about 25 students visited the company headquarters of ProMinent in Heidelberg. The students are completing an education to become qualified employees for public bathing facilities, which in this form is unique in Germany and only provided by the Heinrich-Lanz-Schule I in Mannheim. Parts of the education are swim trainings in the city's public pools, pool technology, chemistry courses in state-of-the-art laboratories and, of course, theory classes. Due to this programme, the school has meanwhile obtained an excellent reputation as the only public master school in Germany for the education in this special area of pool operations.

Markus Rösch, the new national Branch Manager Pool and Wellness, presented ProMinent GmbH to the students. During their guided walk through the company, the young people got insights into production processes and the different departments. After a lunch together, an interesting product training regarding the latest developments from ProMinent in the fields of water treatment and disinfection completed their excursion.

However, besides this company visit, the students will benefit additionally:

IN ORDER TO EVEN FURTHER SUPPORT THE OPTIMAL EDUCATION CONDITIONS AT THE HEINRICH-LANZ-SCHULE I IN MANNHEIM, PROMINENT GMBH AND ONE

OF ITS PARTNER COMPANIES, THE IBA AQUA-PFLEGE-PRODUKTE GMBH, WILL EQUIP THE NEW TRAINING ROOM WITH LATEST POOL TECHNOLOGY, SUCH AS THE HIGH-TECH MEASURING AND CONTROL SYSTEM DULCOMARIN® II.

In this way, the future employees and masters for public bathing facilities are already up-to-date regarding products and systems for efficient pool operation during their education. Similar to this commitment, ProMinent has planned promotional activities for students also at other schools in the Rhine-Neckar region.

FOR GOOD REASON: COMPANIES INVESTING TODAY IN EDUCATION, WILL NOT HAVE TO WORRY ABOUT QUALIFIED EMPLOYEES IN THE FUTURE.



ELECTROLYSIS SYSTEM CHLORINSITU III ENSURES RELIABLE AND EFFICIENT DISINFECTION OF POOL WATER IN PICTURESQUE LUXURY HOTEL

## ENCHANTING STAY IN THE CITY OF MOZART

YOU ALWAYS WANTED TO BE 'LORD OF THE CASTLE'? THE HOTEL SCHLOSS MÖNCHSTEIN IN WONDERFUL SALZBURG OFFERS YOU THIS UNIQUE OPPORTUNITY. HISTORICAL AMBIENCE WITH LUXURIOUS ROOM FACILITIES AND MODERN CONFERENCE TECHNOLOGY, AN EXCELLENT RESTAURANT AND A SENSATIONAL LOCATION WITH VIEW OVER THE CITY OF MOZART – SIMPLY ENCHANTING!

Paris, London and New York are famous big cities and classic destinations when it comes to city tours. But connoisseurs and music lovers also like smaller, less noisy places with a particular charm. And without any doubt, beautiful Salzburg belongs to them.

The capital of the federal state with the same name on the northern edge of the Alps with its 150,000 inhabitants is the fourth-largest city of Austria behind Vienna, Graz and Linz. Since 1996, the historic centre is listed as a UNESCO World Heritage Site, located on the river Salzach and limited by the mountains Festungsberg,

Mönchsberg and Rainberg. In former times, the production of and trade with salt were the city's most important sources of revenue, intermittently even gold mining. The town's landmark, the Hohensalzburg Castle dates back to the 11th century and is one of the largest medieval fortresses in Europe.

Further impressive sights are the Salzburg Cathedral built in the 17th century in baroque style and the Hellbrunn Castle with its park, water fountains and alleys in the south of Salzburg.



Students of the Heinrich-Lanz-Schule visiting ProMinent

## MOZART – MUSICAL GENIUS AND TOURIST MAGNET

Corresponding to its history, also today Salzburg is a major exhibition and congress location with numerous trading and service companies. Additionally, tourism is an enormous economic factor: With more than 2.5 million overnight stays in the year 2013 – with rising tendency, Salzburg is one of the most important tourist destinations in Austria. Still, the ‘top seller’ is the city’s most famous son, Wolfgang Amadeus Mozart (1756-1791). Every year, 400,000 people from all over the world visit his birthplace in the Getreidegasse.

As from 1877, international music festivals took place in Salzburg in honour of Mozart, from which developed in 1920 the Salzburg Festival. This series of events consisting of concerts, operas, recitals and spectacles is one of the major entertainments and attracts year after year music lovers mostly from Europe, Asia and the United States of America.

### SPECIAL AMBIENCE FOR DEMANDING GUESTS

Even though you might prefer jazz or pop music, Salzburg is absolutely worthwhile visiting. Because

not only in the music sector there are offers with the grade “superior”, but also regarding accommodations: First of all, the luxurious Hotel Schloss Mönchstein above the roofs of the city of Mozart. The location is idyllic, with a magnificent view over Salzburg and the Salzach river, and at the same time central: The Mönchsberg-elevator is only a few minutes walk away from the hotel and brings you directly in the historical centre.

After a change in ownership in the early years of the new millennium, the historical building in the midst of a huge park was converted in two steps into an international first class hotel with 24 exquisitely furnished rooms and suites as well as an exclusive atmosphere. Now, the extraordinary city hotel disposes of a state-of-the-art, multifunctional room for events for up to 100 people – milled into the rock of the Mönchsberg with a marvellous 12-metres window front.

On the one hand, the hotel guests from all over the world are indulged by the delicious creations of the chef de cuisine in the award-winning gourmet restaurant. On the other hand, their physical well-being is ensured by numerous massages and cosmetics treatments provided in the exclusive wellness area MönchsteinSPA.

## SWIMMING WHILE ENJOYING THE VIEW

In a first class hotel, it is a must: an attractive swimming pool. For that reason, during the second construction phase, a unique infinity pool was added to the outdoor area of the Hotel Schloss Mönchstein allowing for a refreshing swim with a spectacular view over Salzburg. Moreover, there is also a year-round usable whirlpool with comfortably warm water for a perfect relaxation in green surroundings.

For ensuring an all-time impeccable water quality, both pools are equipped with solid technology from ProMinent. The hotel management focussed especially on a space-saving system as well as an efficient and environmentally friendly operation. Installation works were finished after four weeks, so that the pool water treatment system was commissioned just in time for the reopening in May 2014.

## MODERN, ECOFRIENDLY, EFFICIENT

For the reliable treatment and disinfection of the pool water mainly the following components are used: A compact electrolysis system CHLORINSITU® III, in total five solenoid-driven metering pumps Beta® and delta® as well as a peristaltic pump DULCO®flex DF4a for the metering of flocculant. The control of the complete system and the two water circuits is managed by the powerful measuring and control system DULCOMARIN® II. It carries out the continuous measurement and precise control of the most important hygiene parameters pH value, redox, chlorine and conductivity.

The electrolysis system CHLORINSITU® III generates in an environmentally friendly way by means of a vacuum process low-chloride sodium hypochlorite from harmless table salt and water. The electrochemical reaction takes place in two electrode chambers separated by a membrane, so that the formation of the chlorine and sodium hydroxide is physically separated. The resulting chlorine gas is bound with sodium hydroxide, collected in a storage tank as sodium hypochlorite and from there, metered with separate

## FACTS

Ecofriendly and harmless disinfection with electrolysis system CHLORINSITU® III

Efficient pool operation additionally reduces consumption of chemicals

Excellent water quality creates positive feedback from hotel guests





metering pumps on demand. As this process takes place directly on-site, the transport, storage and handling of dangerous chemicals is eliminated - an important advantage especially for the operation of hotel pools.

#### SALT IS THE KEY

It is a lucky coincidence that particularly the reasonable and harmless raw material salt, which originally gave the city of Mozart its name, leads to an efficient operation and reduces the consumption of chemicals for adjusting the pH value of the pool water. Further benefits of this state-of-the-art water treatment system are the central and easy control by means of a smartphone and tablet as well as additional energy savings due to the so-called eco-mode outside normal hours of operation.

#### **Hotel Schloss Mönchstein**

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Hotel manager Samantha Teufel affirms: *"We are pleased that the investment in the new pool system creates a very positive feedback from our guests. Not only the unique view is a great plus, but also the excellent water quality. According to the statements of the pool users, the water feels extremely pleasant on the skin."*

Those who prefer taking delight in all these extraordinary amenities of the Hotel Schloss Mönchstein together with others, and those who think about organising their wedding celebration or an exclusive company event, are offered something very special: They can rent the complete castle hotel!

Well, pack your bags, lodge in one of the most enchanting city hotels of the world and enjoy the view over beautiful Salzburg as a temporary 'lord of the castle'!



# Dive in Switch off

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