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#aquanale

The Pool Has Become Smart

Only a few weeks remain until **aquanale**, the international trade fair for **Sauna.Pool.Ambiente**, and preparations at Koelnmesse as well as among exhibitors are in full swing. What can visitors expect at **aquanale**? What trends are likely to dominate? Here is a brief preview.

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What was unthinkable just a few years ago has now become standard for many companies in the industry: the digitalization of pool technology. Many pool technology providers now offer both dealers and end customers the ability to access the system via smartphone or tablet. This allows water parameters to be monitored and adjusted if necessary. Other features, such as heating, lighting, or water attractions, are also connected. From anywhere in the world, users can log in with just a few clicks to ensure everything is functioning properly or receive notifications if a chemical container is empty or dosing is no longer correct, indicating that action is required. Access rights for private homeowners can of course be restricted to prevent unintended changes. App-based pool controls have now become versatile systems, transmitting real-time information and giving owners full control over their pools at any time. The first devices with artificial intelligence are already on the market.

For example, **Dryden Aqua's SPACE** pool control system uses AI to monitor water quality in real time. It automatically adjusts chemical dosing and detects potential leaks early. All parameters can be conveniently monitored and controlled remotely via the associated app, enabling precise, sustainable, and efficient pool maintenance.

The new **BADU** and **BADU Blue Pro** systems from **SPECK Pumps** are also smart. They not only manage water treatment and maintenance, including measurement, control, and dosing technology, but also pool attractions, lighting, heating, and covers. These systems can be operated easily via smartphone, tablet, or PC over the web and offer remote maintenance options for pool installers.

PC DYNAMICS from **dinotec**, a subsidiary of the CF Group, is a microprocessor-controlled measurement, control, and dosing system that integrates filter and heating management alongside chemical dosing. The system can be operated remotely via the **dinoAccess** app, giving both pool owners and dealers worldwide access.



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www.aquanale.com

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In modern homes, the pool system is often integrated into the smart home. Through a central control unit, homeowners can manage all technical systems in the house. The smart pool can be networked with other systems, such as garden sprinklers or outdoor lighting for an evening pool party.

Energy-efficient operation is another key factor. Pool controls maintain all water treatment components in energy-saving mode, significantly reducing electricity consumption and CO₂ emissions. A key element in this system is the circulation pump. Modern pumps with frequency converters consume significantly less electricity than older standard models. Energy usage can be monitored at any time via the app. The same applies to water treatment: earlier systems dosed chemicals continuously, while today dosing is demand-driven, triggered when parameters fall below preset levels. Because the entire pool technology is networked, all connected devices always operate in an energy-efficient mode. When all components are aligned both energetically and operationally, this not only reduces energy and water consumption but also lowers chemical usage.

Sustainable pool heating is also essential. Environmentally conscious homeowners now have numerous options to heat pools without fossil fuels. Modern technology and efficient energy management systems even allow a home and its pool to operate at very low running costs. Private homeowners are therefore not just offered technology but a coordinated system of components.

Renewable energy solutions range from solar collectors to photovoltaic and solar-thermal systems. Traditional absorber mats remain in use for simple outdoor pools, but modern energy systems integrate pools into the home's heating concept using intelligent energy management. Generated heat is stored and distributed to different consumers, often in combination with heat pumps or other energy sources. An intelligent energy management system allocates heat efficiently to both house and pool, eliminating the need for fossil fuels. Homeowners not only save conventional energy but also generate usable energy for pool operation.

The latest pool technology standards and how intelligent control systems can make pool operation cost-effective and environmentally friendly will be showcased by numerous exhibitors at **aquanale 2025**.

The sauna and wellness sector will also present its newest products and trends. Outdoor saunas have grown increasingly popular. Once primarily found in Finland, more Germans now enjoy modern outdoor saunas in their gardens. While traditional log construction is still used, many new saunas are now built in modular elements, offering a more elegant appearance, larger size, and robust structure. These modular units can be expanded with showers, antechambers, or verandas, and their external design can be customized.

Sauna heaters have also evolved. Previously simple black boxes, many modern heaters now feature stylish designs. The trend toward full-glass fronted private cabins has led manufacturers to develop creative solutions for integrating heaters, ensuring even heat distribution and concealed cabling without compromising

function.

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Next-generation sauna cabins feature modern control systems that allow all cabin functions to be adjusted. Market trends are moving toward combination cabins, offering multiple bathing options such as traditional Finnish sauna, warm-air, or soft steam. Smart controls automatically adjust parameters like heating and ventilation when switching modes, ensuring the cabin is ready without delay.

As with pool controls, many systems allow remote operation via mobile devices and apps. For example, **HUUM** offers an app to preheat the sauna or steam cabin before arrival.

Centralized systems from **WDT Werner Dosiertechnik** allow management of all cabins, steam baths, and ice machines, including heaters, steam generators, fragrance dosing, and lighting. All functions can be controlled from a central display, with intuitive touch graphics interfaces available in multiple languages. Measurement values, operational statuses, and alarms can be displayed on any device, including PC, smartphone, or tablet.

Alpha Wellness Sensations offers **AASC (Alpha Adaptive Smart Control)**, a digital system to easily regulate infrared intensity. Bluetooth connectivity allows music streaming from almost any smartphone or Wi-Fi device. Users can set preferred languages, with optional Wi-Fi pre-start functionality and a heart rate monitor. Currently for infrared cabins, AASC will soon extend to saunas and hammams.

For more information, visit [here](#).

Koelnmesse - Global Inspiration for Living, Contract and Public Spaces

Koelnmesse is the world's top trade fair organiser for the areas of Living, Contract and Public Spaces. Alongside the new trade fair duo imm cologne and interior design days cologne (idd cologne), other formats hosted at the trade fair hub of Cologne such as ORGATEC, interzum, FSB, spoga+gafa and aquanale are among the most internationally renowned and established industry gatherings. These fairs comprehensively represent the interior and design segment, the furniture and interior construction industries' supplying sections, the kitchen world, all topics for the modern working world, garden lifestyle as well as modern work environments, the garden lifestyle, public spaces, sports and leisure facilities, along with saunas, pools and wellness centres. To complement the events in Cologne, Koelnmesse is constantly strategically expanding its portfolio in key growth markets around the globe. Its foreign trade fairs include La Feria De Diseño Medellín - powered by imm cologne in Colombia, the shows of the ORGATEC brand family with ORGATEC TOKYO in Japan, ORGATEC India in Mumbai and ORGATEC WORKSPACE Saudi Arabia in Riyadh, as well as the trade fairs of the interzum brand family: interzum guangzhou in China, interzum bogota in Colombia, interzum jakarta in Indonesia and interzum forum italy in Bergamo. The "Living, Contract and Public Spaces" portfolio also includes the FSB Sports Show Riyadh in Saudi Arabia.

The next events:

ORGATEC WORKSPACE Saudi Arabia - Saudi Arabia's Premier Trade Event for

Workspace Solutions, Riyadh 16.09. - 18.09.2025

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La Feria De Diseño Medellín powered by imm cologne - The Meeting Point for the Interior Design, Architecture and Lifestyle Scene in Latin America and the Caribbean, Medellín 18.09. - 20.09.2025

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interzum jakarta - The Premier Gateway to Indonesia's Furniture Innovation and Supply Industry, Jakarta 24.09. - 27.09.2025

#bettertogether: FSB and aquanale - a powerful trade fair duo

FSB - International Trade Fair for Public Space, Sports and Leisure Facilities and **aquanale - International Trade Fair for Sauna.Pool.Ambience.** will once again take place in parallel from **28 to 31 October 2025** at the Cologne exhibition grounds. Together, they form a globally unique trade fair duo that unites public and private spaces for movement, relaxation, leisure and health. While FSB focuses on sports facility construction, urban infrastructure and municipal spaces for physical activity, aquanale presents innovations in swimming pool technology, sauna, wellness and spa. Both events create valuable synergies for planners, architects, operators and decision-makers - **#bettertogether**.

Note for editorial offices:

Image material from FSB and aquanale is available in our online image database at www.fsb-cologne.com/imagedatabase and <https://www.aquanale.de/presse/multimedia/bilddatenbank/>.

Press information is available at: www.fsb-cologne.com/pressinformation and www.aquanale.de/presse/presseinformationen

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