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# Sustainable Building Certifications

Hansgrohe Group – The right partner for Sustainable Buildings.

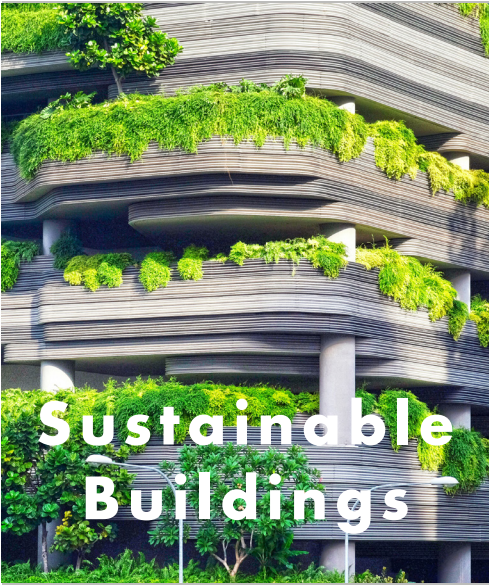


IN TOUCH  
WITH OUR  
PLANET

GLOBAL PROJECTS

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# Sustainable Buildings



# Why Build Green?

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Accounting for 37% of all global emissions, the construction industry is by far the world’s largest contributor to greenhouse gas pollution. And yet, with 75% of all infrastructure needed by 2050 to be built, the sector presents an equally sizable opportunity for sustainable innovation and the overall reduction of humanity’s carbon footprint. As climate change accelerates rapidly, now affecting over 85% of humans on Earth, it is both essential and urgent for our built environment to contribute to decarbonization and climate protection.\*



\*United Nations Environment Programme, & Yale Center for Ecosystems + Architecture (2023). Building Materials and the Climate: Constructing a New Future. <https://wedocs.unep.org/20.500.11822/43293>.

Founded in 2002, The World Green Building Council (WorldGBC) is the largest global action network responding to this issue, with a stated aim of accelerating sustainability in humanity’s built environment. Comprising over 75 Green Building Councils and 46,000 members, the network collaborates with businesses, organizations and governments to transform market systems, establish best practices and ultimately deliver on the goals of the Paris Agreement and UN Global Goals for Sustainable Development.

Most importantly, the WorldGBC establishes a “definition” of a Sustainable Building as follows. A ‘green’ building is a building that, in its design, construction or operation, reduces or eliminates negative impacts, and can create positive impacts on our climate and natural environment. ‘Green’ buildings preserve precious natural resources and improve our quality of life.\*

## Features that can make a building green

- Efficient use of energy and water
- Use of renewable energy
- Waste reduction measures and recycling elements
- Good indoor air quality
- Use of non-toxic, sustainable materials
- Consideration of occupants’ quality of life

It is with these goals in mind that Hansgrohe strives to help build a more sustainable future.



# Contributing to a Sustainable Future

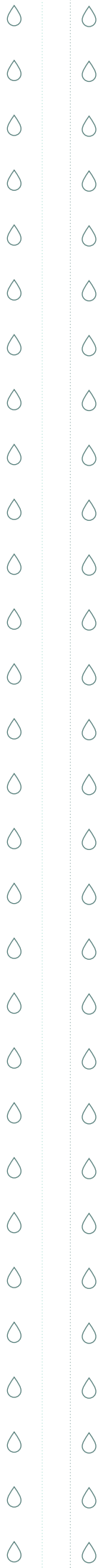
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**Seventy percent** of Earth’s surface is covered in water—but only one percent of that water is drinkable, and **one percent** of that drinkable water accessible to humans.\*

As our most precious resource, water must be conserved. Hansgrohe plays its part in contributing to a sustainable, water-conscious future with a wide range of water- and energy- saving products and technologies.

By substantially reducing the usage of water—and thus, energy required to heat that water—in new building developments, Hansgrohe helps developers reach crucial sustainability standards and certifications by local systems, such as Mostadam®, and international systems including LEED®, BREEAM® and DGNB®. These standards are crucial in asserting a transition to a more sustainable built environment—and obtaining permission to build projects in the first place.

\*Building Materials And The Climate: Constructing A New Future, UNEP, <https://www.unep.org/resources/report/building-materials-and-climate-constructing-new-future>



**This brochure elaborates on how Hansgrohe contributes to certification schemes by the following bodies:**

• **LEED®, BREEAM® and DGNB®** (international scope)



• **Mostadam®** (applicable in the Kingdom of Saudi Arabia)





# In Touch with our Planet



# Green. Greener. Eco\* 2030.

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“By 2030, we aim to convert the entire water-bearing product range of our hansgrohe and AXOR brands to water- and energy-saving technologies.”



\*The Hansgrohe Group defines “ECO” as the reduction of water and/or energy consumption of water-bearing products in use by at least 22 percent compared to the base year 2020.

“**Water is the elixir of life,**” as Klaus Grohe, son of our founder and former chairman of our executive board, likes to say. “The social interest in clean water and its availability to everyone is thus also our own.” **The Hansgrohe Group plans to transition all water-bearing hansgrohe and AXOR products to ECO specifications by 2030, reducing water and/or energy consumption by at least 22% in comparison with base year 2020.**

– Hans Jürgen Kalmbach,  
Chairman of the Executive Board of  
Hansgrohe Group

# Less Hot Water, Fewer CO<sub>2</sub>e emissions

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Driven by our spirit of innovation and guided by our 10 ECO Design Principles, the Hansgrohe Group is ensuring that, **by 2030 all water-bearing hansgrohe and AXOR products will be available exclusively with water- and energy saving functions.**



## PROBLEM

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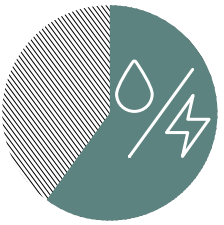
**99% of CO<sub>2</sub>e emissions<sup>\*1</sup>**  
from water-bearing products are  
produced during the products' use



## SOLUTION

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**100% ECO**  
Our mission is to make all water-  
bearing products 100% Eco by 2030



## IMPACT

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**Up to 60% less<sup>\*2</sup>**  
water and energy consumed thanks  
to water-saving technologies



## PERFORMANCE

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**Great**  
performance, design and experience  
in the bathroom and kitchen

<sup>\*1</sup> According to the Hansgrohe EPD "Hand showers" (EPD-HAN-20230021-ICC1-EN) verified by the IBU in 2023, the GWP-total indicator of an average Hansgrohe hand shower in the production phase (A1-A3) is 1.08 kg CO<sub>2</sub>e. Water consumption, hot water production and cleaning of this shower head together account for 1008.2 kg CO<sub>2</sub>e in the use phase (B2, B6, B7).

<sup>\*2</sup> Thanks to Hansgrohe's EcoSmart technology, customers can save significant amounts of water compared to conventional Hansgrohe products, as the flow rate of Hansgrohe products with EcoSmart technology is automatically limited.



# Our Way to a Green Transformation

## Company Milestones

## Product Milestones

2030

Pursuit of the 1.5 degree target of the **Paris Climate Agreement**

2030

All water-bearing products exclusively available with **water- and energy-saving technologies**

2022

All sites globally **climate neutral\***

2025

**Plastic-free** product packaging

2020

Permanent core team for the realization of the sustainability goals

2023

Hansgrohe presents the hansgrohe Planet Edition product line and its 'Green Vision Beyond Water' at ISH

2019

Water-saving spray type PowderRain

Water is life.

Water is our passion.

We create inspiring moments while protecting this precious element. In doing so, we take responsibility for people and the environment – for our planet.

2012

Energy-saving CoolStart technology

2005

Publication of a sustainability report as first manufacturer in the **German sanitary industry**

2007

Water-saving EcoSmart technology

1992

Construction of what was then the **largest roof-integrated solar power plant in Germany**

1987

50% water-saving Mistral Eco hand-held shower

\*Climate neutrality refers to greenhouse gas emissions from Scope 1 and 2 (direct emissions and energy consumed at the sites; Scope 3 emissions were excluded) according to the Greenhouse Gas Protocol. Wherever possible, the Hansgrohe Group actively reduces these emissions. The remaining emissions are offset through recognized, certified climate protection projects. Further information on these climate protection projects can be found at <https://www.hansgrohe-group.com/en/about-us/responsibility>.



# The three pillars and 10 concrete Initiatives of our sustainability strategy

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# 1

## Hansgrohe conserves **water cycles**

Safe, fresh water is a valuable, unevenly distributed resource. It is vital that it is used sparingly in regions where there are water shortages. However, even in water-rich areas, constant investment in its treatment is essential. Hansgrohe preserves water cycles thanks to our water-saving products, without compromising the shower experience.

# 2

## Hansgrohe protects the **climate**

The Hansgrohe Group's products are becoming environmentally friendly and support the goals of the Paris and Glasgow Climate Summits. But more importantly: the use of warm water costs a lot of energy. Saving water using Hansgrohe products also means reducing the energy consumption of sanitary facilities.

# 3

## Hansgrohe becomes part of the **circular economy**

Each resource which no longer needs to be harvested, but can rather be recycled, preserves our ecosystems and saves energy and water in our production lines. Hansgrohe is developing long-lasting, repairable and recyclable products, sustainable packaging, and is working towards using materials that will help preserve our ecosystems.



Hansgrohe Group contributes to protecting our planet through three fields of action: saving water, protecting the planet and becoming part of the circular economy. We pursue these fields of action through ten initiatives, from green products to green energy to green controlling, each with their own concrete objectives and projects.





# 10 Hansgrohe Eco Design Principles

• • • • •

We develop products based on our ten ECO Design principles. As a result, our products conserve water cycles and resources and protect the climate throughout the entire product life cycle.

## 01 Planet-centered innovations

With carefully thought-through innovations, our products overcome the limitations of the status quo. As a result, we set new benchmarks in minimizing negative environmental impacts, while maximizing comfort. 💧

## 02 Triple Savings by Using Less Water: Water, Energy, Costs

Our products only use water when it is necessary. At the same time, they are designed to ensure maximum comfort with reduced water usage. 💧

## 03 Energy-saving mode on!

Our products use energy-saving and efficient technologies. The energy required for heating the water in the usage phase is minimized by reduced (hot) water volumes, among other things. Electronic and digital functions of the products are provided in an energy-efficient manner. 💧

## 04 Long Product Lives

The design and construction of our products is timeless and made to last. Any maintenance or repairs can be carried out easily and without special tools. In order to extend the products' service life, they are designed so that they can be technically and visually updated. 💧

## 05 Closing the cycle

Our products are completely separable by type. The exclusively recyclable components are returned to the material cycle. This is done via recycling by the customer or via a product take-back with subsequent remanufacturing/recycling by Hansgrohe. 💧

## 06 Less complexity

Our products consist of components and parts that can be used universally across the portfolio. This reduces complexity and costs. We create innovative design languages using very few new parts. 💧

## 07 Less material

Our products are material-efficient, which means they consist of as little raw material as possible. Environmental properties play a central role in material selection. Previously used materials are replaced by more sustainable alternatives. Our products do not use inseparable composites or material mixes. 💧

## 08 Less coating

Our products are durable, even without a coating. If it is necessary though, they are made with environmentally friendly surface technologies and the least amount of material. To enable component recycling, the thickness of the coating must be as thin as possible. 💧

## 09 Staying clean

The design and materials of our products avoid dirt deposits and calcifications. Cleaning them is easily possible without the use of environmentally harmful, aggressive cleaners. 💧

## 10 Awareness guides behavior

Our products create transparency, and we sensitize our customers about the conscious use of water and energy through education. 💧

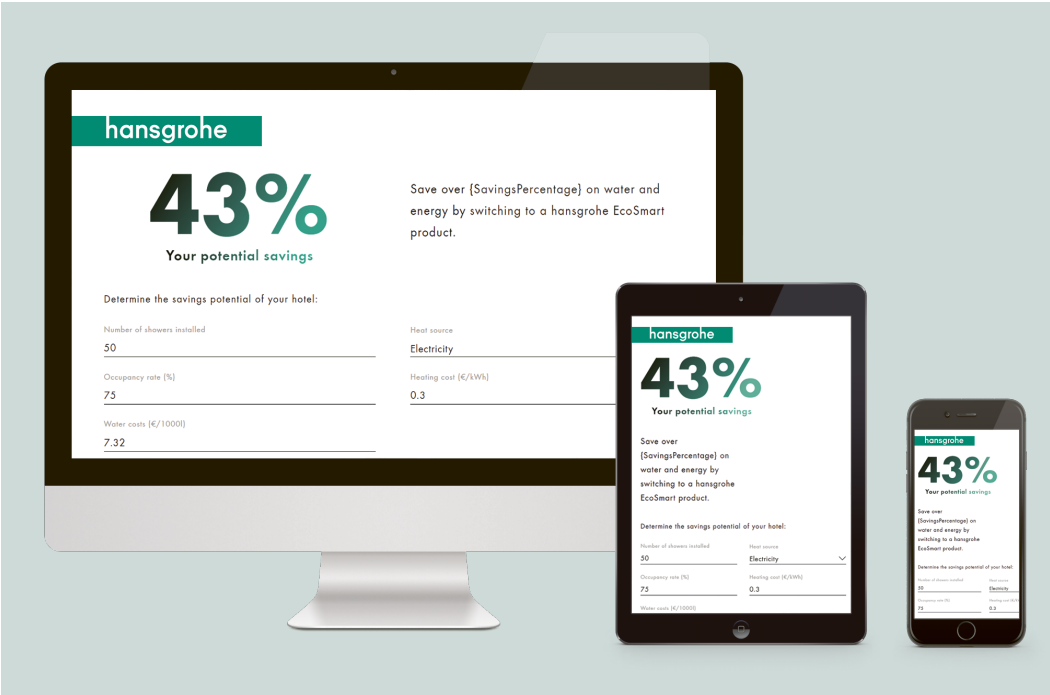


# Resource-Saving Technologies

## hansgrohe EcoSmart+ : Less Water. Less Energy. Less Cost.

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AXOR and hansgrohe **showers and faucets fitted with our innovative EcoSmart+ technology consume up to 60 percent less water** than our conventional products – and saving water means saving hot water, which conserves energy, reduces CO<sub>2</sub>e emissions and lowers costs. For hotels, results and other large-scale project, **the cost-savings potential is vast.** 💧



## The Water Savings Calculator — See How Much You Can Save with our Technologies!

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Thanks to our EcoSmart technology, **many AXOR and hansgrohe products conserve precious water and costly energy, saving you real money.** For hotels, resorts facilities and other large projects, these savings can be especially significant. And since there’s no surcharge for EcoSmart faucets and showers, so there’s reason not to plan them into your next project! **Use our water-savings calculator to find out how much you can save.** 💧

CALCULATE YOUR SAVINGS POTENTIAL! →

## CoolStart: A Cool Way to Save Energy

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When conventional faucets are turned on, they immediately consume warm water. But **faucets equipped with our CoolStart technology allow warm water to flow only when it’s actually needed.** As long the faucet handle is in the middle position, only cold water flows, conserving energy, reducing emissions and saving money. 💧



## We are part of the circular economy

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### Hansgrohe uses Sustainable ABS Material for Chrome-plated Product Components.

As part of its sustainability strategy, Hansgrohe is on the hunt for materials that are produced from recycled or renewable sources. We use the copolymer ABS (acrylonitrile butadiene styrene) for around 45 percent of our plastic injection molding. This engineering plastic is particularly suitable for electroplating, and is thus the basis for producing the premium surfaces of our showers and accessories. Since 2023, Hansgrohe uses the new ABS Novodur ECO P2MC B50 from INEOS Styrolution, which has **a carbon footprint that is up to 71 percent lower, too.\***



\*In the case of ABS, this is information according to the manufacturer of the material.  
<https://www.hansgrohe-group.com/de/pressrelease/hansgrohe-group-nachhaltiger-abs-kunststoff-2023-01-18>  
[https://www.pressreleasefinder.com/INEOS\\_Styrolution/INSPR146/en/](https://www.pressreleasefinder.com/INEOS_Styrolution/INSPR146/en/)

## Hansgrohe's packaging strategy

### Less material usage through **intelligent packaging design**

We strive to minimise our packaging sizes and, where possible, produce standardize packs in sizes S, M and L. For less storage capacity, transport and, scrapping.



### Material from **sustainable sources**

When it comes to packaging and shipping materials, we strive to use a high proportion of recycled content – 80-100 percent. They are made from sustainable raw materials, such as paper and cardboard, and are plastic-free.

### Closing the cycle together

We strive to ensure that all paper packaging can be returned to the material cycle. In this way, no resources are lost, and disposal is as easy as possible.

**Plastic free  
New Product  
Packaging  
by 2025\***

\* Our goal is for all new product packaging placed on the market to be free of plastic packaging materials and recyclable by the end of 2025. However, due to stock levels in retail/trade, product packaging with plastic packaging materials may still be in circulation.



# Pulsify Planet Edition

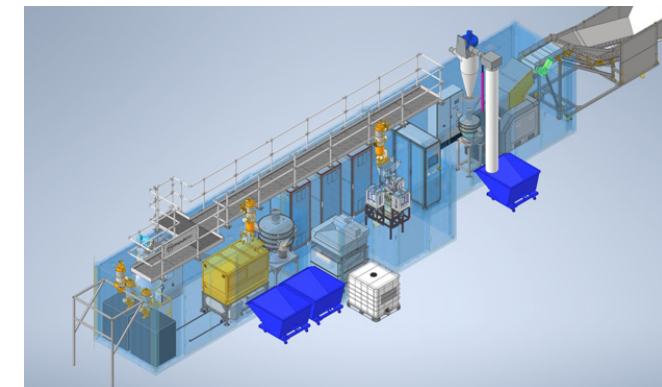
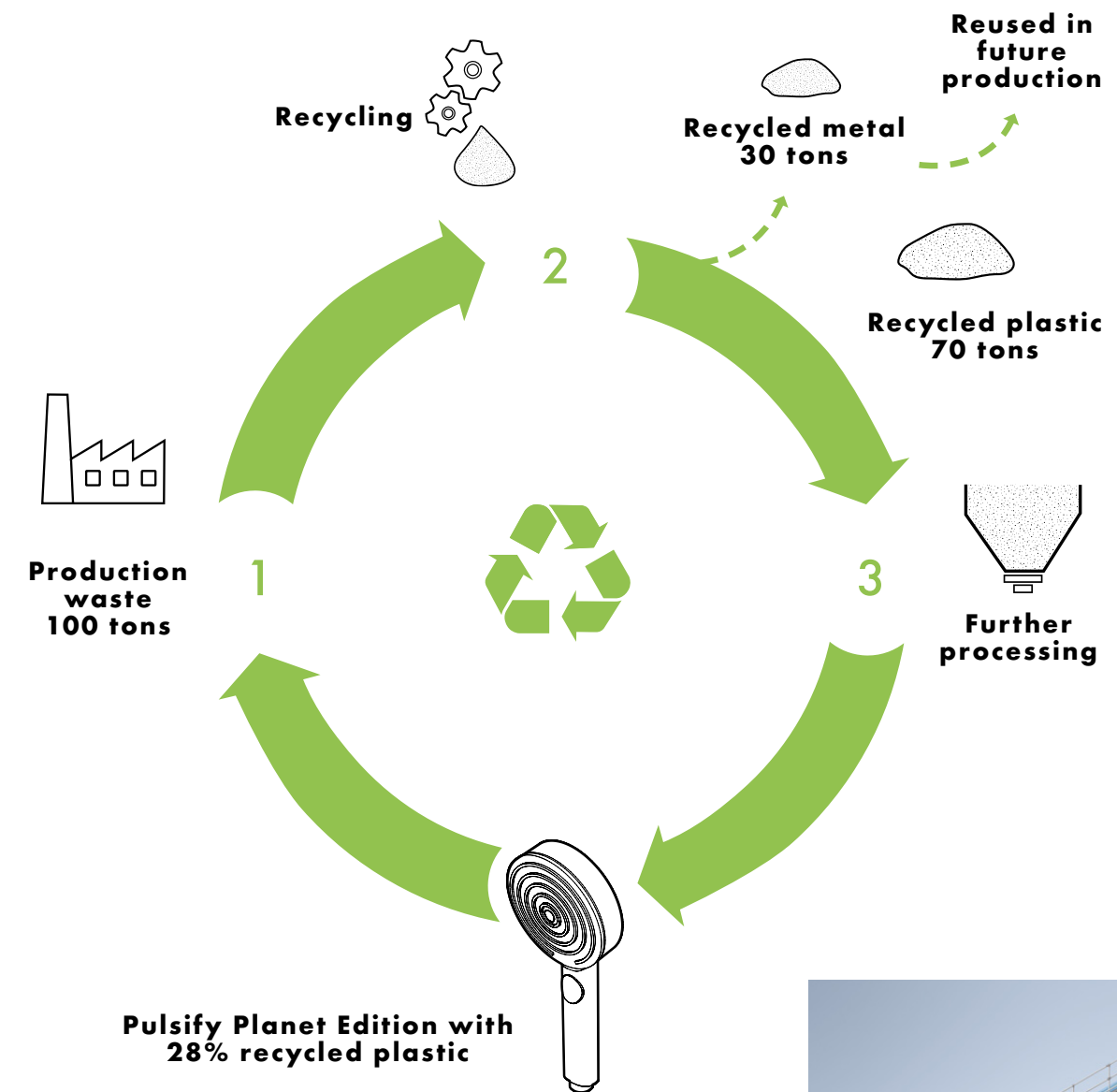
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Planet Edition means: Conserving resources in all areas of the product life cycle. We play our part in the circular economy through our use of recycled materials, all while maintaining the known hansgrohe standard and showing that waste isn't waste until we waste it.



## Making the Whole Shower Sustainable.

The hansgrohe Planet Edition includes products from the **Pulsify**, **WallStoris**, and **Designflex** lines. With their earthy warm look, they fit into any bathroom ambience and show how well environmental awareness and value for money can form perfect harmony.



## Closing the cycle.

True to the sustainability principle of "Reduce, Reuse, Recycle", the handle of the Pulsify hand shower is made of recycled plastic. The unique process for extracting this raw material was specially developed by Hansgrohe and the recycling machinery is placed at our plant in Offenburg.. This plastic copolymer ABS obtained from internal production waste is shredded and cleaned. It is then transformed into a high-quality granulate. This alternative to petroleum- and fossil-based primary plastics achieves a significant reduction in energy consumption during production. The material offers a unique look and elegant appearance in sandy colors. The hand shower is manufactured completely free of chrome. All raw materials used are recyclable.



# Your Partner for Sustainable Buildings



# Labels & Certificates

**We build credibility with our stakeholders by being transparent about our environmental impact.** To this end, we take steps such as participating in third-party assessments and allowing our environmental product claims to be confirmed by leading independent bodies.



## EU Taxonomy for Sustainable Act.

Product specific criteria are already met by over **by over 5,900 SKUs**, with more coming in 2025.

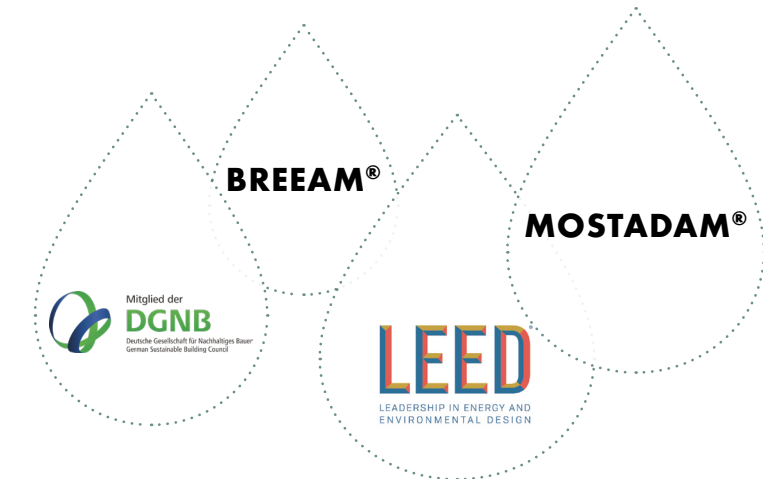
The EU Taxonomy establishes a framework of six environmental objectives designed to assess whether an economic activity is sustainable. Projects must make a significant contribution to at least one of the objectives without harming any of the others. Investors, banks, insurers and certifiers assessing EU Taxonomy-compliant activities in construction must ensure that projects use only products meeting criteria such as specific flow rates for faucets and showers. Hansgrohe's economic activities meet the requirements on minimum social safeguards as well as the generic 'Do No Significant Harm' criteria. 💧



## Positive Ratings from Independent, Respected Third-Parties.

Ecovadis: Platinum Medal, putting Hansgrohe in the **top 1%** of all companies assessed by EcoVadis. CDP: B rating.

As part of our annual process, the Hansgrohe Group received impressive ratings from two highly respected independent bodies in 2022 and 2024. The CDP widely regarded as the gold standard for environmental reporting, gave us in 2022 a solid B rating. In addition, in 2024 we received a Platinum Medal from EcoVadis, which assesses how well a company has integrated sustainability – defined in terms of the environment, labor and human rights, ethics and sustainable procurement – into its management system. 💧



## Supporting Partners Applying for Sustainable Building Certification.

Hansgrohe further supports your efforts by providing you with all relevant product information (e.g. **EPDs**) when you are undergoing green-building certification.

For our partners in the hotel and hospitality industry, receiving certification from LEED®, BREEAM®, DGNB®, Mostadam® and other international building rating systems is more important than ever. At the Hansgrohe Group, our innovative and efficient EcoSmart+ technology, available on a selection of AXOR and hansgrohe products, consumes up to 60 percent less water than our conventional products, helping you comply with the stringent requirements of these systems. 💧



# Hansgrohe: Transparency of Environmental Impact at the Product Level

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## Environmental Product Declarations (EPDs)

The Hansgrohe Group has published EPDs (Environmental Product Declarations) **for the core product categories of AXOR and hansgrohe.**

The EPDs provide information about the environmental impact of a product in relation to its entire life cycle: from the extraction of raw materials, through manufacturing and many years of use, to recycling or disposal.

This data provides **architects, builders and designers** with important information for the sustainability of their construction projects. This is particularly important for building projects that are subject to international certification systems such as **BREEAM® or LEED®.**

All EPDs have undergone the verification process of the Institut für Bauen und Umwelt e. V. (IBU), Berlin.

These EPDs are publicly available on the [IBU platform →](#) and on our [Hansgrohe Group Website →](#).



## EPDs at Hansgrohe

The Hansgrohe Group has published **Environmental Product Declarations (EPDs)** for 12 AXOR and hansgrohe product categories, covering approximately 1,700 of its best-selling products in total.



Overhead showers



Handshowers



Hoses

Showerpipes



Bathroom faucets



Kitchen Mixers



Basic Sets



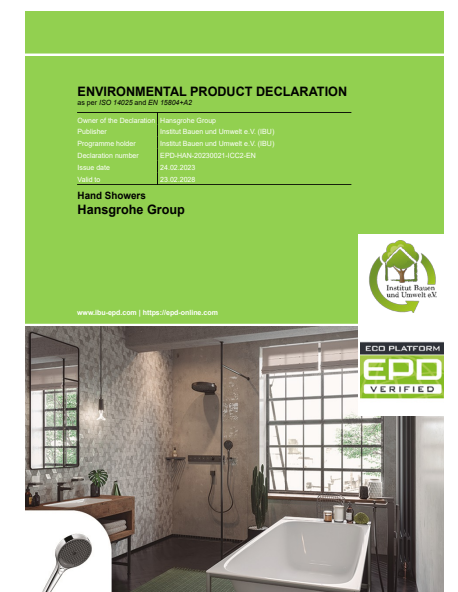
Shower and Bath Mixers/Thermostates



Toilets



Washbasins







# Watersense-certified products

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Hansgrohe is a member of WaterSense, a voluntary partnership program sponsored by the US Environmental Protection Agency (EPA). Only given to products at least 20% more water-efficient than the industry average in their category, the WaterSense label certifies a high standard of sustainability—a standard that Hansgrohe proudly achieves with the majority of its product portfolio.

More than just a label, WaterSense provides a platform for manufacturers, professionals and end users alike to easily discover sustainable products that both save costs and minimize environmental impact. WaterSense also encourages innovation within the manufacturing industry, supporting and creating sustainable jobs throughout America.

# WaterSense-certified Hansgrohe product categories



SHOWERHEADS



BATHROOM  
FAUCETS/ACCESSORIES



TOILETS



FLUSHING URINALS

**WaterSense-certified Hansgrohe products are crucial for obtaining LEED® certification.**

DISCOVER OUR PRODUCTS ON WATERSENSE →



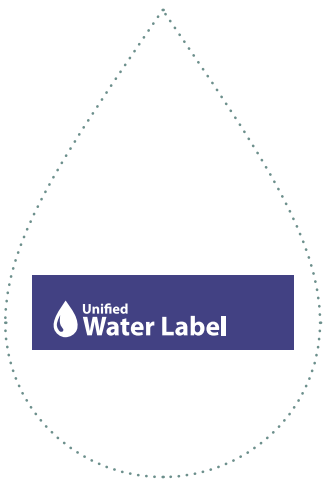
# Bearing the UWL Label

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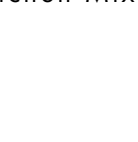
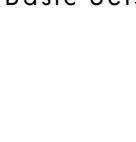

A Europe-wide initiative led by companies in the sanitary industry, The United Water Label (UWL) provides a standardized, easy-to-understand method of identifying water-using products.

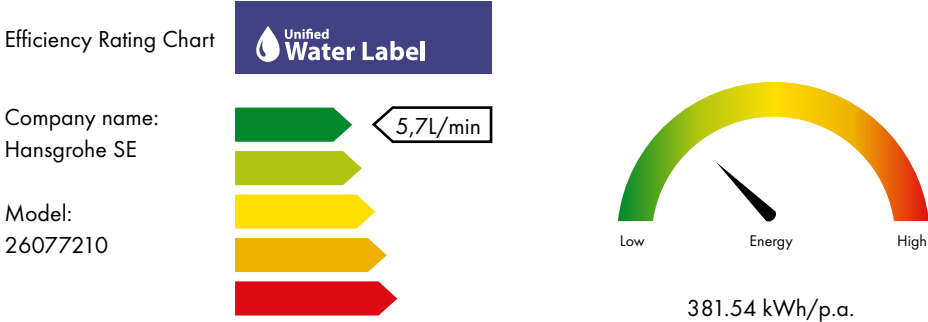
As a member of the UWL, Hansgrohe is committed to helping consumers find bathroom fixtures that both are compatible with their homes’ plumbing and heating systems and deliver outstanding, sustainable performance.

Hansgrohe lists a wide range of water-saving and energy-efficient Hansgrohe products on the UWL platform.



# Hansgrohe product categories covered by UWL

 Overhead showers	 Handshowers	 Hoses
 Showerpipes	 Kitchen Mixers	 Basic Sets
 Bathroom faucets	 Toilets	 Washbasins
 Shower and Bath Mixers/ Thermostates		



FIND ALL HANSGROHE PRODUCTS LISTED ON UWL →



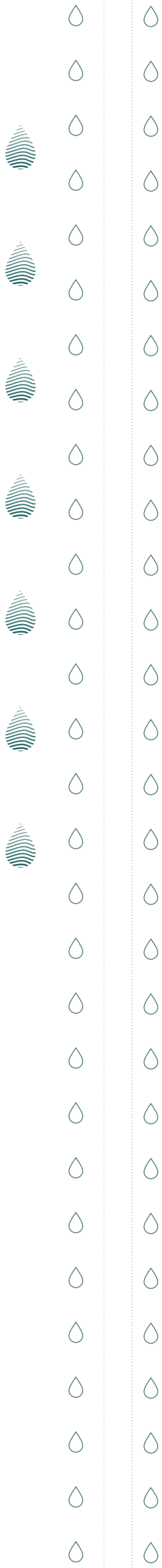
# AXOR Signature

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## Bringing your bathroom’s personality—and sustainability—to the next level

AXOR Signature extends the diverse offering of the AXOR portfolio by enabling users to further personalize, customize and adapt almost any product to the unique requirements of their project. With a variety of services ranging from custom length adjustments and labeling to the development of entirely new products, AXOR Signature allows you to take your bathroom’s personality to the next level.

By offering custom flow rate adaptations to virtually any product, AXOR Signature is also a crucial too in meeting the often stringent standards of Sustainable Building Certification. Specially lab-tested by AXOR spray researchers before execution by master craftspeople, these adjustments enable significant water savings with no compromises in design, sensation or spray pattern.





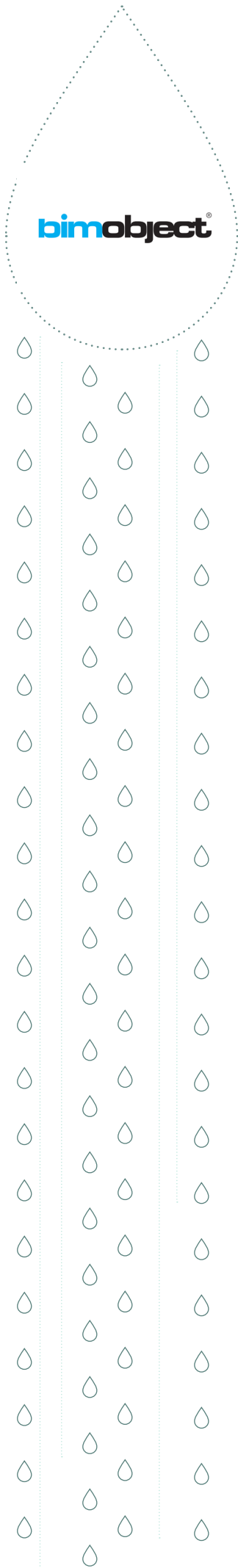
# How we support your Sustainable Projects

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## BIM Data: Efficiency and reliability in planning

Hansgrohe provides easy access to building information modeling (BIM) data in key formats for computer-aided and integrated planning as well as the execution and management of construction projects. BIM data on the geometry, positioning, material and properties of all Hansgrohe taps, showers, shower systems and installation technologies. This ensure greater reliability and faster completion across all phases of project planning.

BIM data for every hansgrohe and AXOR product is readily available at [bimobjects.com](https://bimobjects.com) → in various formats, including **.rfa** files for use in **Revit** and **.gsm** for use in **ARCHICAD**.



# The benefits of using BIM data

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## Transparency on environmental impact

A BIM object is a precise digital copy of a physical product, containing data on all its geometric properties as well as information on its performance, lifespan, recycling, disposal and environmental impact.

## More security

Planning with BIM data ensures transparency and oversight throughout all phases of a project’s development. Virtual planning with BIM data enables all product and building specifications to be precisely examined and confirmed before construction begins, reducing the risk of errors on-site. Changes in plans can be easily simulated in these virtual models, enabling more efficient and accurate implementation.

## Significant savings in time and cost

Consistent integration of BIM data in planning enables easier communication and saves time and money throughout a building’s entire life cycle. Precisely-coordinated project planning results in faster completion, while comprehensive digital data enables more accurate planning and efficient building management.



# Our global Sustainable Building Experts

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The Hansgrohe Group is committed to being your partner in excellence on our shared mission towards sustainability. Beyond creating water and energy-efficient products, the Hansgrohe Group provides customers personal consultation, guidance and advice on sustainability.

## Global Representation by Sustainable Building Experts

We are proud to support our clients working on LEED®, DGNB® and other Sustainable Building projects throughout all stages of the process with our own **professional, in-house consultants**. Get to know them here:



LEED  
GREEN  
ASSOCIATE

– Laurinda Marsh,  
Key Account Manager  
Africa, LEED®  
Green Associate

“Sustainable Building standards are not implemented equally around the world—some markets are slower than others due to the associated costs. Even in those markets, Hansgrohe aims to lead change and raise awareness for sustainable building practices. We also highlight how water- and energy-efficient Hansgrohe products can empower professional teams, owners and developers on their journey toward more sustainable building practices.

With the knowledge and expertise gained from our study in the LEED® program, us consultants have a deep understanding of Sustainable Building processes, guidelines and limitations. This enables us to offer valuable insights to clients and unlock sustainable solutions—a service that ultimately adds significant value to their businesses.”

“We strive to be more than just a supplier of sanitary products. Rather, we demonstrate how Hansgrohe can be a real partner that shares our clients’ goals in sustainability, especially when it comes to the certification process of Sustainable Buildings. Eighty percent of a product’s environmental impact is decided in the design stage. Right from the beginning of a project’s planning, we provide support with the specifications of Hansgrohe products so our partners can reach the necessary credit points across categories.”



LEED  
GREEN  
ASSOCIATE

– Malisa Wittig,  
Key Account Manager  
Architects &  
Designers,  
LEED®  
Green Associate

“Sustainable development is only possible if processes are considered holistically. This also applies to the construction of buildings. The Hansgrohe Group is committed to this approach, not only with the products it supplies, but through its involvement throughout the entire process of a project. From project planning to a product’s use, we take everything into account. Our goal is not only to achieve the best possible certification scores for our partners—we want to create sustainable values and buildings together, no matter the level of certification.”



– Jan Fullert,  
Global Project  
Consultant Germany,  
DGNB®-registered  
professional/  
consultant



# Hansgrohe Products

Designed to meet LEED® Requirements



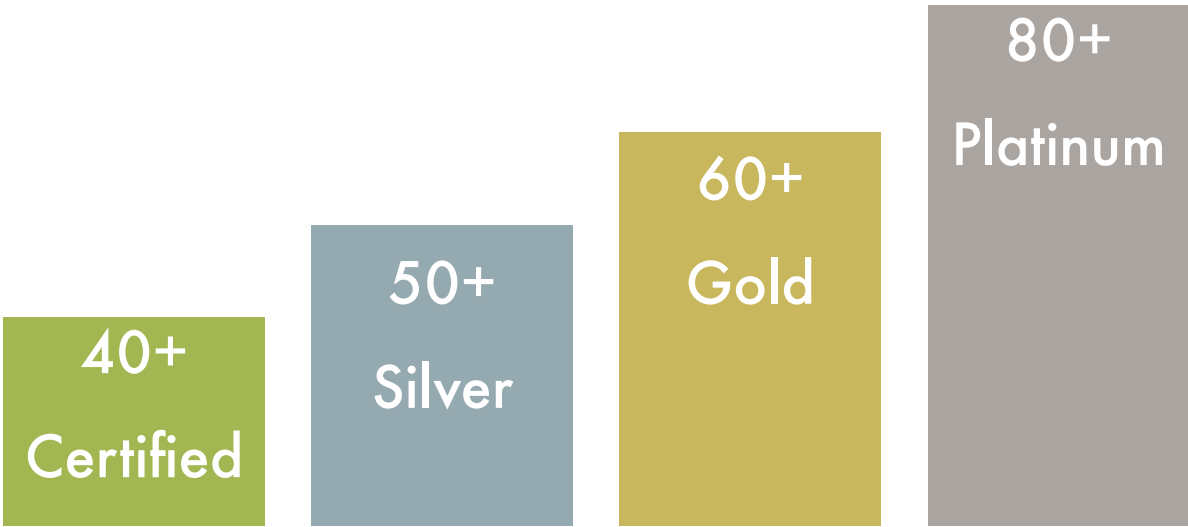
# LEED®: Facts & Figures

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## About LEED®

LEED® (Leadership in Energy and Environmental Design) is a prominent Sustainable Building certification program that helps guide the design and construction of Sustainable Buildings. Their Building Design and Construction (BD+C) certification scheme outlines an eleven-category framework for various categories of buildings to be recognized for their achievements in health, efficiency, sustainability and more.

LEED® certification is structured around several categories in which buildings must obtain a minimum baseline of 40 points. High levels of certification—silver, gold and platinum—can be achieved by obtaining additional points.



# LEED® Certification Rating Score



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LEED® certification categories include Integrative Process (IP), Location and Transportation (LT), Sustainable Sites (SS), Water Efficiency (WE), Energy and Atmosphere (EA), Materials and Resources (MR), Indoor Environmental Quality (EQ), Innovation (IN) and Regional Priority (RP).

When pursuing LEED® certification, it is crucial to choose the right products that comply with and contribute to the goals of a project.

The following page demonstrates how AXOR and hansgrohe products can contribute to a variety of LEED® credits.

## LEED® Credit Categories



LEARN MORE ABOUT LEED® →



# How Hansgrohe contributes to LEED® Certification

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LEED® credits are earned by the overall performance of a development, not the single products it uses. This is, however, greatly influenced by the products chosen for it and their corresponding impact during all stages of planning, transport, installation and usage.

With a wide range of water-saving and energy-efficient products, Hansgrohe is a competent and reliable partner for three crucial LEED® credit categories in particular:



## Water Efficiency (WE)

Indoor water use reduction



## Materials & Resources (MR)

Building Product Disclosure and Optimization – Environmental Product Declaration



## Energy & Atmosphere (EA)

Optimize Energy Performance



# Credit Category WE: Water Efficiency

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Projects can earn up to 6 credit points in the Water Efficiency category. Points directly correlate with the percentage by which products reduce water consumption in relation to the industry standard.

## Credit contribution by Hansgrohe

AXOR and hansgrohe products can meet several water reduction thresholds as standard and through further adaptation to flow rates with in-house services.

Percentage Reduction	Points (BD+C)
25 %	1
30 %	2
35 %	3
40 %	4
45%	5
50 %	6





# Credit Category MR: Materials & Resources

.....

## Environmental Product Declarations (EPD)

The Hansgrohe Group underpins its commitment to transparency and sustainability by publishing Environmental Product Declarations (EPDs) for an extensive range of products across twelve categories. Containing information on carbon footprint, energy usage, water consumption and more, EPDs are crucial tools in helping partners reach their environmental goals and achieving sustainability certifications for their projects.

## Credit contributions by Hansgrohe

EPD (20 permanently installed products from 5 suppliers)					Points (BD+C)
EPD Type III					2
Overhead showers	Handshowers	Hoses	Bathroom faucets	Kitchen Mixers	
Showerpipes					
Basic Sets	Shower and Bath Mixers/Thermostates	Toilets	Washbasins		

DISCOVER OUR FULL EPD COMPLIANT PORTFOLIO →



# Credit Category EA: Energy & Atmosphere

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## Hansgrohe products consume less energy during usage

Approximately 99%\* of a product's CO2 emissions are produced by usage during the general operation of a building. With their innovative sustainable technologies, AXOR and hansgrohe contribute substantially to any project's energy conservation efforts.

Treating, pumping and heating water expends energy. Therefore, by reducing water consumption, Hansgrohe products also ensures a project consumes less energy throughout its lifecycle than it would with products that use industry-standard flow rates.

## Credit contributions by Hansgrohe

Optimize Energy Performance	Points (BD+C)
Energy Saving Technologies (EcoSmart, EcoSmart+, CoolStart, etc.)	1 (18 in total)

\* According to the Hansgrohe EPD "Hand showers" (EPD-HAN-20230021-ICC1-EN) verified by the IBU in 2023, the GWP-total indicator of an average Hansgrohe hand shower in the production phase (A1-A3) is 1.08 kg CO2e. Water consumption, hot water production and cleaning of this shower head together account for 1008.2 kg CO2e in the use phase (B2, B6, B7).



# Hansgrohe Products

Designed to meet BREEAM® Requirements



# BREEAM®: Facts & Figures

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## About BREEAM®

Created in Britain in 1990, BREEAM® is the oldest and most widespread international system for assessing the sustainability of construction projects.

BREEAM® utilizes a simple system of points to award quality seals at four different levels across eight categories: Energy, Health and Wellbeing, Innovation, Land Use, Materials, Management, Pollution, Transport, Waste and Water.

The certification scheme takes into account all parts of a building throughout all phases of a building’s life cycle—from planning to the calculated future environmental effects.

## BREEAM® Credit Categories



Energy



Health and Wellbeing



Innovation



Land Use



Materials



Management



Pollution



Transport



Waste



Water



## BREEAM® Certification Rating Score

BREEAM® rating						% Score
Outstanding	★	★	★	★	★	≥ 85
Excellent	☆	★	★	★	★	≥ 70
Very Good	☆	☆	★	★	★	≥ 55
Good	☆	☆	☆	★	★	≥ 45
Pass	☆	☆	☆	☆	★	≥ 30
Unclassified	☆	☆	☆	☆	☆	< 30

[LEARN MORE ABOUT BREEAM® →](#)



# How Hansgrohe contributes to BREEAM® Certification

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BREEAM® assesses the overall performance of a building—not specific products—when evaluating its sustainability. This performance is, however, greatly influenced by the products chosen for it and their corresponding impact during all stages of planning, transport, installation and usage.

With its wide range of eco-conscious products, Hansgrohe helps partners achieve necessary BREEAM® standards across four crucial categories.



## Water (WAT)

Wat 01 Indoor Water Use



## Materials (Mat)

- Mat 02 Environmental impacts from construction products – EPD
- Mat 03 Responsible sourcing of construction products
- Mat 05 Designing for Durability and Resilience



## Energy (Ene)

Ene 01 Reduction of energy use and carbon emissions



## Health & Wellbeing (Hea)

Hea 09 Water Quality



# Credit Category Wat: Indoor Water Use

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Projects can earn up to 5 credit points in the BREEAM® system for indoor water use reduction. Each credit point reflects the magnitude by which installed water fixtures reduce water consumption from the baseline industry average.

### Credit Contribution by Hansgrohe

This category encourages the reduced consumption of potable water. BREEAM® provides credits for five different grades of flow rates across product categories:

Reduction from Baseline	Credits
Level 1	1
Level 2	2
Level 3	3
Level 4	4
Level 5	5



# Credit Category Mat: Materials

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## Environmental Product Declarations (EPD)




The Hansgrohe Group underpins its commitment to transparency and sustainability by publishing Environmental Product Declarations (EPDs) for an extensive range of products across twelve categories. Containing information on carbon footprint, energy usage, water consumption and more, EPDs are crucial tools in helping partners reach their environmental goals and achieving sustainability certifications for their projects.

## Credit contributions by Hansgrohe


Environmental Impacts (EPD)	Credits
EPD for min. 4 products available	1



Overhead showers




Handshowers




Hoses


Showerpipes




Bathroom faucets




Kitchen Mixers




Basic Sets



Shower and Bath Mixers/Thermostates



Toilets



Washbasins

**Credit Categories:**

- / Mat 01 Building Product Disclosure and Optimization – Environmental Product Declarations
- / Mat 02 Environmental impacts from construction products – Environmental Product Declarations (EPD)
- / Mat 03 Responsible Sourcing of construction products
- / Mat 05 Designing for Durability and Resilience

# Credit Category Ene: Energy

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Energy consumption and, by extension, the burning of fossil fuels, contribute to air pollution and global warming. In this category, BREEAM® specifically examines how a building can reduce its emissions by consuming as little energy as possible and utilizing more sustainable sources of energy.

## Credit contribution by Hansgrohe

Reduction of Energy Use & Carbon Emissions	Credits
Reduction of Energy Use & Carbon Emissions	1

DISCOVER OUR EPD COMPLIANT PORTFOLIO →





# Credit Category Health & Wellbeing

.....

The “Water Quality” category establishes a universal standard for clean, fresh water in new building projects.

All AXOR and hansgrohe products are designed to comply with global health and safety regulations to ensure the highest standards of hygiene and minimize the risk of microbial contamination.

## Credit contribution by Hansgrohe

Water Quality	Credits
Water Quality & Safety	1

Hansgrohe products are also compliant with REACH (Regulation of the European Union for the Registration, Evaluation, Authorization and the Restriction of Chemicals). This system promotes human and environmental health by providing guidelines on the hazards and risks associated with various chemical substances in association with water.

The Hansgrohe Group further contributes to REACH by providing full transparency and commitment to guidelines on the usage of substances of very high concern, as outlined by Appendix XIV of the REACH system. The Hansgrohe Group does not produce or import any chemical substances or mixtures, and exclusively works with REACH-compliant suppliers.





# Hansgrohe Products

Designed to meet DGNB® Requirements



# DGNB®: Facts & Figures

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## About DGNB®

The German Sustainable Building Council (DGNB®) is the most significant network for sustainability in Europe. Recognized throughout the world, its DGNB® system for New Construction of Buildings outlines three core areas of development: environmental, economic and sociocultural aspects. Technical, process and site quality are also assessed with secondary importance.

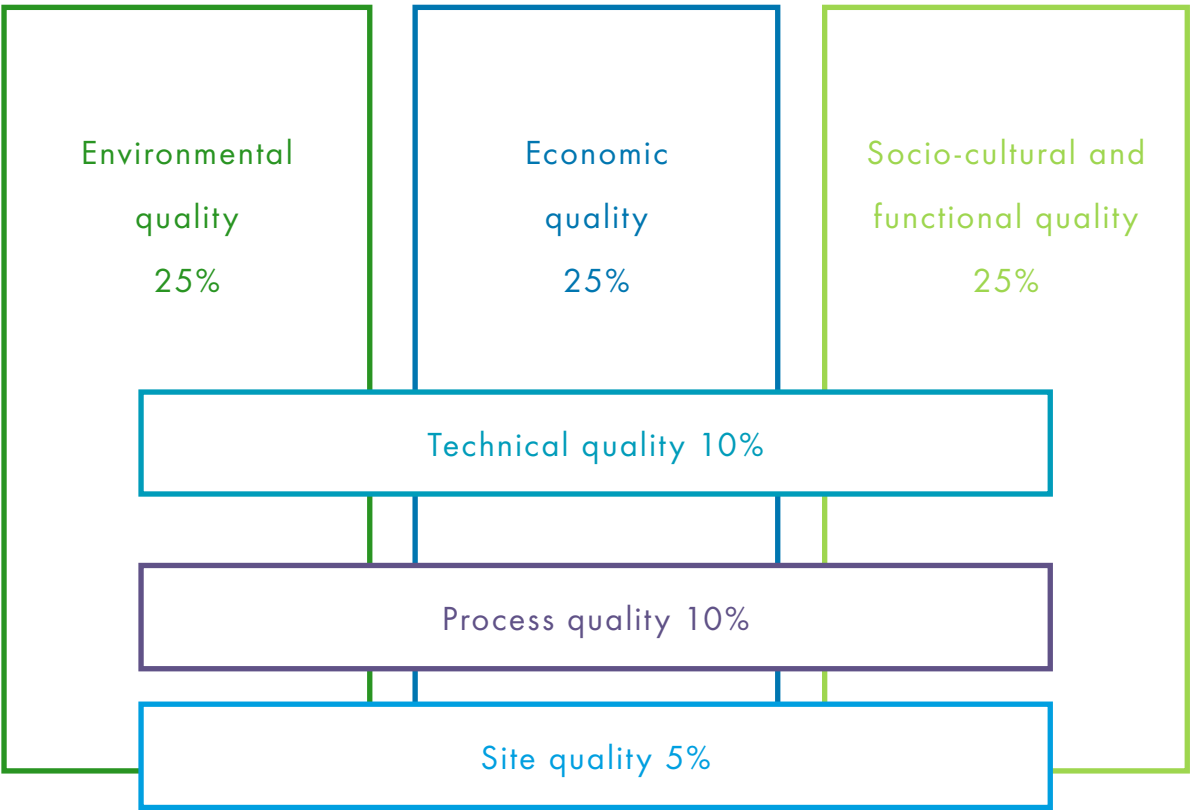
DGNB® offers holistic schemes and planning tools applicable to an extensive range of project types. Projects can receive a bronze, silver, gold or platinum DGNB® certificate for their achievements in sustainability.

## DGNB® Certification Rating Score

As a founding member of the DGNB®, the Hansgrohe Group is a key player in promoting and building upon its values of compassion, ethics, transparency and sustainable growth.

In total, the DGNB® system comprises 29 criteria across sectors including Environmental Quality (ENV), Economic Quality (ECO), Sociocultural and Functional Quality (SOC), Technical Quality (TEC), Process Quality (PRO), and Site Quality (SITE). Each scheme takes into account different criteria with varying weighting.

## DGNB® Credit Categories





# Applicable Credits for Hansgrohe

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Sustainable products are essential to achieving DGNB® certification. AXOR and hansgrohe products can help achieve credits in the following categories:



## Environmental Quality

ENV1.1 Climate action and Energy life cycle assessment  
ENV2.2 Potable Water Demand



## Economic Quality

ECO1.1 Life cycle costs



## Process Quality

PRO1.4 Ensuring sustainability aspects in tendering and contracting  
PRO2.5 Preparation of sustainable use

# How Hansgrohe contributes to DGNB® requirements

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The following table lists to which DGNB® categories Hansgrohe products can make a significant contribution:

Category	Criterion	Max. Score Points
<div><h2>Environmental Quality</h2></div>		
ENV1.1	Climate action and energy	10
ENV2.2	Potable Water Demand	2
<div><h2>Economic Quality</h2></div>		
ECO1.1	Life Cycle Cost	4
<div><h2>Process Quality</h2></div>		
PRO1.4	Ensuring Sustainability aspects in tendering and contracting	2
PRO2.5	Preparation of sustainable use	2



# ESG Verification for the EU Taxonomy

.....

In addition to its other schemes, the DGNB® offers an ESG verification service that enables projects in the real estate industry to verify conformity with EU Taxonomy criteria.

The values and standards of the ESG and DGNB® certifications overlap significantly. Since the introduction of the DGNB® System for New Construction in 2023, the DGNB® fully incorporates the standards established by the EU Taxonomy. Hansgrohe provides full transparency on and complies with the certification criteria of the DGNB®.

**Almost all AXOR and hansgrohe products comply with EU taxonomy** standards and qualify for ESG verification. Fifty hansgrohe and AXOR products have been specially selected by the DGNB® Navigator product platform for their outstanding sustainability and performance.



DISCOVER OUR PRODUCTS ON THE DGNB NAVIGATOR →





# Hansgrohe Products

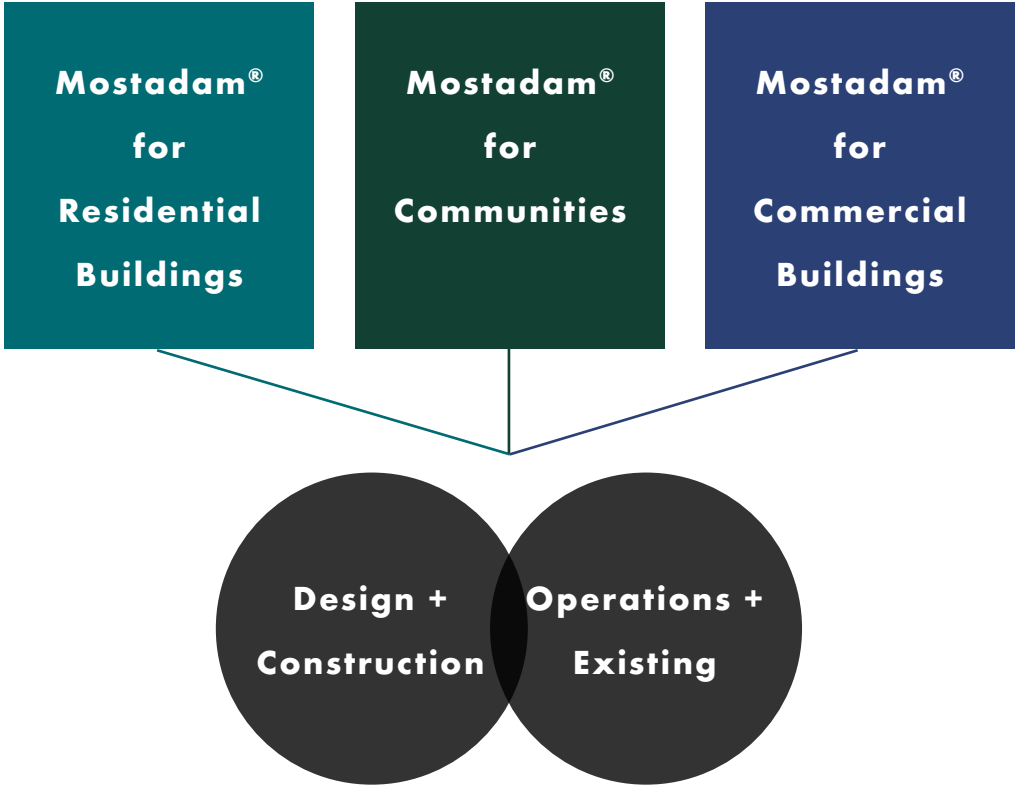
Designed to meet Mostadam<sup>®</sup> Requirements



# Mostadam®: Facts & Figures

## About Mostadam®

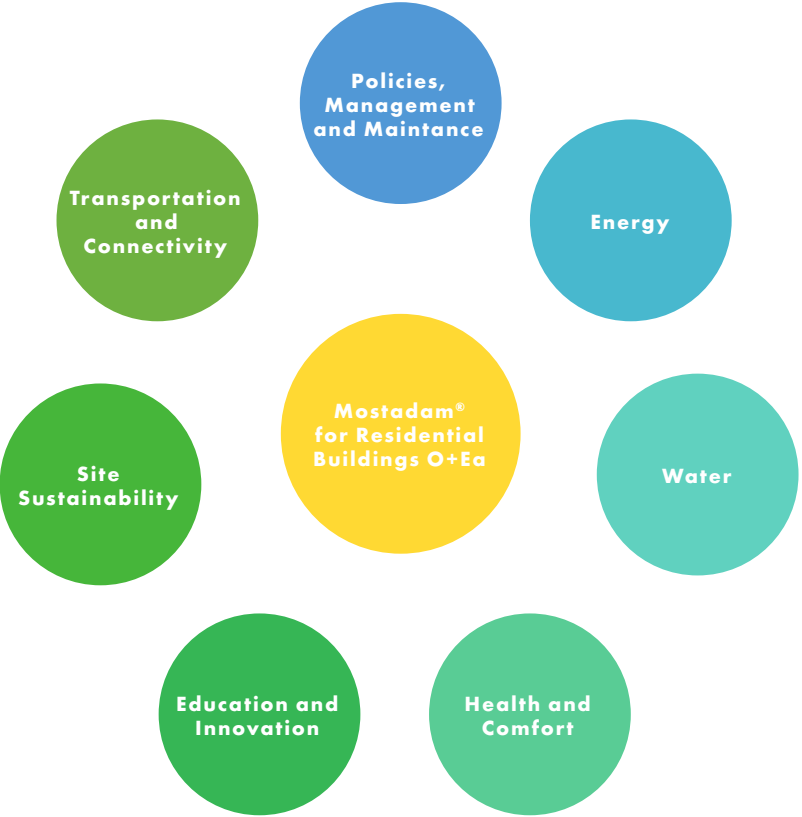
Mostadam® is Saudi Arabia’s own Sustainable Building certification scheme. Specially geared toward the Kindgom’s climate and promoting local growth through sustainable initiatives, Mostadam® comprises three unique rating systems: system number 1, 2 and 3, focussed on residential, commercial and community projects, respectively. Each of the three systems contains two components: design and construction (D + C) and operation and existing facilities (O+ E).



# Mostadam® certification rating score



The Mostadam® system requires keystone credits in nine different categories crucial to the development of Saudi Arabia. Projects that exceed these baseline levels are awarded increasingly positive badges. Keystone categories include the following:



LEARN MORE ABOUT MOSTADAM® →



# Applicable Credits for Hansgrohe

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Credits are earned for the performance of an overall project, not specific products. Nonetheless, each project’s selected products significantly influence its prospects of Mostadam® certification.

With its wide range of innovative water-saving, energy-efficient products, Hansgrohe contributes significantly to three important Mostadam® credit categories:



**Water**  
Indoor Water Performance



**Energy**  
Energy performance



**Sustainable Products & Materials**  
Environmental Product Declarations



# Credit Category Water

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Per capita consumption of water in the Kingdom of Saudi Arabia has grown by 15% over the last five years. Meanwhile, the effects of climate change make water an increasingly precious resource in this already drought-affected country. Saudi Arabia’s Vision 2030 initiative responds to the growing imperative for water conservation by creating guidelines and infrastructure to reduce the usage of potable water and promote the use of treated graywater.

This credit category enables developers to receive financial incentives outlined by Vision 2030 with water-efficient fittings and fixtures—an achievement that Hansgrohe, with its innovative and sustainable portfolio, is well-equipped to support.

## Credit contribution by Hansgrohe

Percentage Reduction	Points
25%	6
35%	8
40%	9
45%	10

Mostadam® requires a minimum of 10% reduction to the baseline.

DISCOVER OUR WATER- AND ENERGY-SAVING PORTFOLIO →





# Credit Category Energy

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More than 99%\* of carbon emissions result from the use of a product during its lifespan. Here, AXOR and hansgrohe can make a substantial contribution to any project with their sustainable products and innovative technologies that reduce water and energy consumption.

## Credit Contribution by Hansgrohe

Percentage Reduction	Points
Select building components that achieve improved levels of energy efficiency and reduced carbon emissions	5 (15 in total)*

\*According to the Hansgrohe EPD "Hand showers" (EPD-HAN-20230021-ICC1-EN) verified by the IBU in 2023, the GWP-total indicator of an average Hansgrohe hand shower in the production phase (A1-A3) is 1.08 kg CO2e. Water consumption, hot water production and cleaning of this shower head together account for 1008.2 kg CO2e in the use phase (B2, B6, B7).

\*The number of points awarded is dependent on the percentage improvement over the baseline.



With a reported 20% increase in per capita energy consumption between 2010 and 2016 alone, Saudi Arabia’s demand for energy—and therewith, the imperative for smart energy policies—is rapidly growing. Vision 2030 responds to this imperative by promoting energy efficiency and renewable technologies that both diversify the economy and achieve Sustainable Development goals. Mostadam provides a framework for buildings to certify and be rewarded for their compliance with the Vision 2023 energy standards.

Hansgrohe CoolStart faucets are just one example of the Group’s innovative sustainable technology. By running warm water only when the handle is moved left from its normal center position, CoolStart ensures that water is not wastefully heated – resulting in less energy consumption, CO2 emissions and costs.



DISCOVER OUR WATER- AND ENERGY-SAVING PORTFOLIO →














# Credit Category Sustainable Products & Materials

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## Environmental Product Declarations (EPD)

The Hansgrohe Group underpins its commitment to transparency and sustainability by publishing Environmental Product Declarations (EPDs) for an extensive range of products across twelve categories. Containing information on carbon footprint, energy usage, water consumption and more, EPDs are crucial tools in helping partners reach their environmental goals and achieving sustainability certifications for their projects.

## Credit Contribution by Hansgrohe

EPD		Points	
EPD Type III		2	
			
Overhead showers	Handshowers	Hoses	Bathroom faucets
Showerpipes			
		Kitchen Mixers	
			
Basic Sets	Shower and Bath Mixers/Thermostates	Toilets	Washbasins



DISCOVER OUR LIBRARY OF EPDS →





# The Bathroom of the Future

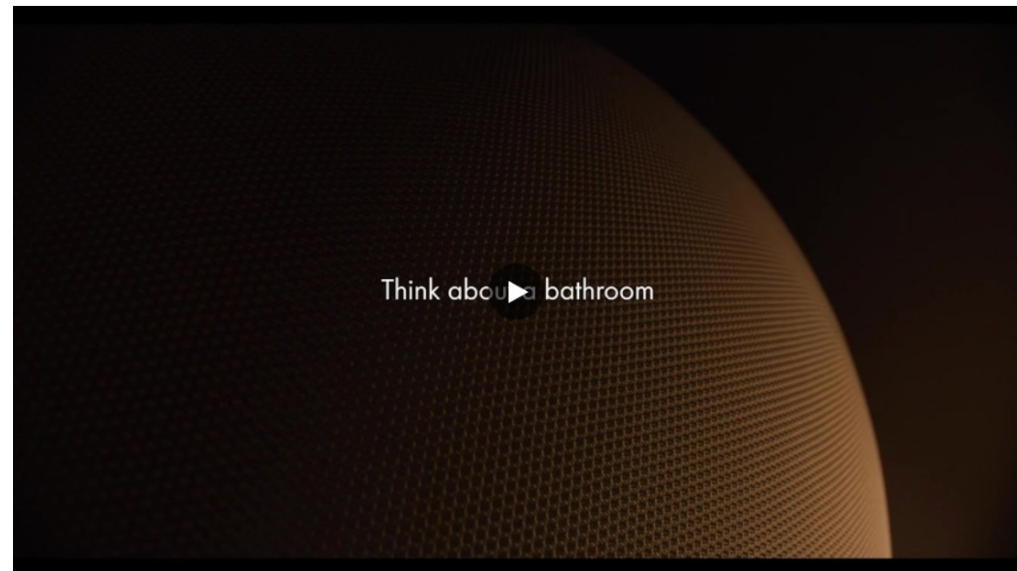
Hansgrohe's Green Vision Beyond Water -  
A Bathroom concept in harmony with people  
and nature



# Hansgrohe's Green Vision

.....

**How can a bathroom be sustainable while meeting the growing need for a retreat from the stresses of daily life?** This question informs almost every detail of our Green Vision – a revolutionary concept that drastically reduces water consumption, energy waste and CO<sub>2</sub>e emissions in the bathroom.



Developed in collaboration with Phoenix Design, **our Green Vision concept shows the way to the bathroom of the future.** Taking center stage is **the BASE**, a modular sanitary platform with a shower that consumes only 10L of water per use. The shower features an illuminated body that darkens in sync with the amount of water left and uses PH-neutral water that rejuvenates the skin while eliminating the need for soap or shampoo.

The new visionary wash station features three spray types: a cold, misty shower that's ideal for washing hands and face and a concentrated mono spray in hot and cold settings. The desired spray type is started by a sensor on the arc. It stops automatically as soon as the hands are no longer under the spray nozzles.

**The toilet includes a variety of water-saving features:** It reuses wastewater from the shower/washbasin, utilizes an integrated bidet to spare the use of toilet paper and separates feces from urine, reducing the water volume of each flush.

For a sustainable yet equally relaxing alternative to bathing, Green Vision offers **the SPHERE**. Suspended over a comfortable reclining chair, its dome **immerses users in a steam bath infused with essential oils, accompanied by a soothing light show.**

Despite its forward-thinking design, the Green Vision bathroom is remarkably pragmatic, consuming **90% less water, 90% less energy and producing 90% less CO<sub>2</sub>e emissions than a standard bathroom.** 💧



# References





## KPTN, Hamburg, Germany

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Old warehouses, new promenades, bridges crossing the Fleets, new architecture and the Port of Hamburg – the conversion of the former port precinct to create HafenCity is taking shape. This is where the KPTN has been created. From the outside you can hardly detect its functional diversity – but behind the facades there is a sophisticated mix of urban housing, a hotel, a top class cinema, a public underground car park, restaurants and shops. The approx. 220 residential units, which include owner-occupied, rented and subsidised apartments, are spread across five buildings. This inner-city, mixed-use concept benefits from generous landscaping and rooftop gardens. This city within a city constitutes a key hybrid city component of HafenCity and the Überseequartier.

### Sustainable Building Certification:

Umweltzeichen HafenCity Gold, DGNB® Gold



### Residential

**Location:** Hamburg, Germany

**Participant:**

DC Developments GmbH & Co KG

**Year of completion:** 2019

**Product:** hansgrohe Ecostat S, hansgrohe Focus M41, hansgrohe Metris



## Hotel Verde, Cape Town, Africa

.....

Hotel Verde Cape Town Airport offers a 100% offset carbon-neutral stay, modern and stylish guestrooms, versatile conference and events facilities and a natural, green setting just 400m from Cape Town International Airport.

Having won multiple sustainability awards and retaining the title of Africa's Greenest Hotel, The Hotel Verde Cape Town design has sustainability at its core.

Not only is the building sustainable, but green principles, processes and measures ensure all operations are eco-friendly and continually assessed for improvement.

### Sustainable Building Certification:

LEED® Platinum Certification



### Hospitality

**Location:** Cape Town, Africa

**Year of completion:** 2015

**Product:** hansgrohe Focus, hansgrohe Crometta Green







## ATMOSPHERE SPA by Krallerhof, Austria

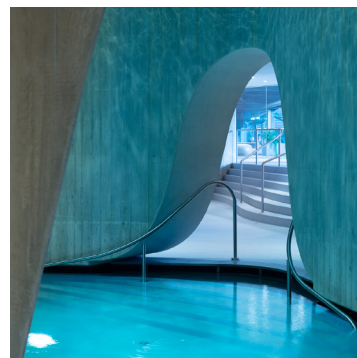
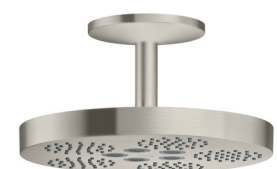
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When speaking of ATMOSPHERE by Krallerhof, Hadi Teherani notes: “There are so many unique aspects about this project, ranging from its location, which determined what kind of architecture I should use, to the fact that the owners accepted our design without any modifications and a record project completion time of about 13 months.” The enthusiasm of the Hamburg-based architect and designer with Iranian roots is clear to see when he speaks about the spa and wellness resort in Leogang, Austria, which opened in April 2023. And rightly so, because what he has created here in the heart of the Alpine landscape not only offers the ultimate in relaxation, but it is also setting new design standards in the world of spas and wellness oases. The fact that, even for such an extensive project, Teherani picked out each color, material, and installed product himself—leaving nothing to chance—is the hallmark of this internationally acclaimed architect. The project does not have Sustainable Building Certification, however, products with our EcoSmart\* function were used here. hansgrohe showers and faucets equipped with EcoSmart technology use less water than conventional hansgrohe products.

\*Thanks to Hansgrohe's EcoSmart technology, customers can save significant amounts of water compared to conventional Hansgrohe products, as the flow rate of Hansgrohe products with EcoSmart technology is automatically limited.



Images by HG Esch Photography



### Hospitality

**Location:** Leogang, Austria

**A&D:** Hadi Teherani Architects GmbH

**Year of completion:** 2022

**Product:** AXOR Universal Circular, AXOR Starck, AXOR One, AXOR Uno, AXOR Starck Organic

## The Conrad, Los Angeles USA

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The Conrad Los Angeles is a spectacular resort that signals an exciting new era of hospitality in Downtown LA. The latest entry in Hilton's luxury hotel collection, this 305-room hotel is housed in a twenty-story tower in the Grand LA, a monumental mixed-use site designed by legendary Pritzker-winning architect Frank Gehry and London-based studio Tara Bernerd & Partners.

Coined as “the most transformative development in Los Angeles”, the sprawling hub includes affordable housing, luxury rentals and a massive shopping plaza in an exceptional Downtown address directly opposite Gehry's iconic Walt Disney Concert Hall. Inside, the Conrad Los Angeles includes over 300 guest rooms, five restaurants and bars, a rooftop swimming pool and a fitness center.

The Conrad Los Angeles also responds to its drought-affected community's imperative for responsible, eco-conscious development. AXOR is an integral part of this mission. Offering outstanding performance while complying with the strictest international guidelines in water and energy consumption, each AXOR product contributes to the Grand LA's goals of excellence in hospitality and accordance with the most exacting LEED sustainability standards.



Images by Philip Vilew

### Hospitality

**Location:** Los Angeles, California

**A&D:** Frank Ghery, Tara Bernerd & Partners

**Year of completion:** 2024

**Product:** AXOR Citterio, AXOR Starck, AXOR Massaud, AXOR Universal Softsquare Accessories





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## Imprint

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### **AXOR**



### **hansgrohe**

