

THINKING BUILDINGS MEANS FINDING SOLUTIONS



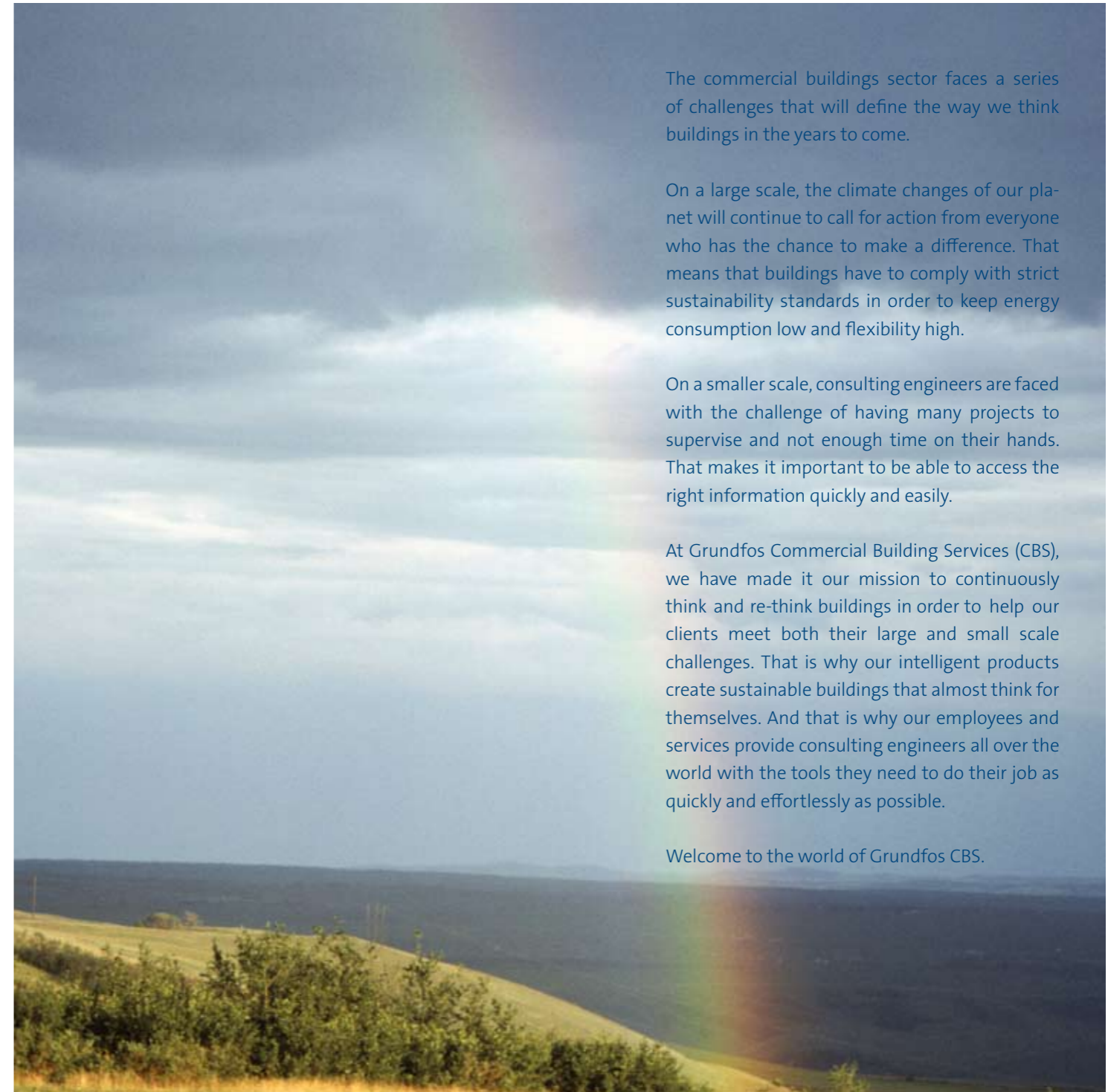
The commercial buildings sector faces a series of challenges that will define the way we think buildings in the years to come.

On a large scale, the climate changes of our planet will continue to call for action from everyone who has the chance to make a difference. That means that buildings have to comply with strict sustainability standards in order to keep energy consumption low and flexibility high.

On a smaller scale, consulting engineers are faced with the challenge of having many projects to supervise and not enough time on their hands. That makes it important to be able to access the right information quickly and easily.

At Grundfos Commercial Building Services (CBS), we have made it our mission to continuously think and re-think buildings in order to help our clients meet both their large and small scale challenges. That is why our intelligent products create sustainable buildings that almost think for themselves. And that is why our employees and services provide consulting engineers all over the world with the tools they need to do their job as quickly and effortlessly as possible.

Welcome to the world of Grundfos CBS.





THINKING SUSTAINABILITY

Sustainable means responsible

Global climate changes have made it clear that we all face the same challenge when it comes to protecting the environment and saving energy. At Grundfos, we take our responsibility for sustainable solutions very seriously. Our intelligent pumps can reduce the average electricity consumption of a commercial building by up to 60% – protecting the environment and saving you money at the same time.

Life Cycle Cost

A Life Cycle Cost (LCC) analysis enables you to determine the total cost of a pump or a pumping system over time. It takes into account all the costs associated with the purchase, maintenance and disposal of a pump.

E-pumps

E means energy reduction. All our E-pumps have integrated frequency converters or designed-for-the-pump frequency converters covering from 40 W to 250 kW. E-pumps reduce energy consumption and ensure the lowest possible life cycle cost and the best conditions for our environment. For large motor sizes, Grundfos offers the CUE range – a series of wall-mounted frequency converters with E-pump functionality that are specially adapted for Grundfos products.

Variable speed, constant advantages

Variable speed pumps adjust their flow speed to their surroundings and ensure that you spend only the necessary amount of energy: nothing more and nothing less.

Grundfos CBS offers a wide range of variable speed pumps, providing you with the best possible opportunity to achieve savings and help the environment.



EFF1 is the most efficient motor available in the world today, as confirmed by the European CEMEP agreement. And the most efficient motor in the world is, of course, the standard motor in Grundfos pumps.

GRUNDFOS **CBS** COMMERCIAL BUILDING SERVICES

WE THINK BUILDINGS AND CREATE BUILDINGS THAT THINK

GRUNDFOS has been breaking new ground in pumps and pump systems since 1945, and Grundfos CBS quickly took the lead in specialist knowledge of products and systems for commercial buildings. We are proud to create cost-effective and sustainable solutions that help save the planet while saving you money.

THINKING BUILDINGS means that we do not only consider ourselves pump suppliers, but partners in the process of creating successful buildings. It also means that we try to create thinking buildings, utilising our in-depth pump and system knowledge and our unrivalled range of intelligent pumps.



PUMPS WITHOUT BORDERS

Anytime, anywhere

As world market leaders, Grundfos delivers pump solutions for every application throughout the world. Combining local commitment and global reach, we are able to help you design and specify a project from the comfort of your office. We install, commission and service it locally, wherever it may be on the globe.



INTELLIGENT SOLUTIONS ON A GLOBAL SCALE

BUILT TO LAST

The state of the art Grundfos pumps are made to order in twelve production facilities that span the world. At each of our production facilities, the utmost care and dedication goes into the fine engineering of Grundfos pumps. Our strict quality assurance programmes ensure that all our pumps reach the highest standards of reliability in the market today.

Grundfos production facilities

Denmark Grundfos A/S • **Finland** OY Grundfos Environment Finland AB • **France** Pompes Grundfos S.A. • **Germany** Grundfos Pumpenfabrik GmbH • **Hungary** Grundfos Hungary Manufacturing Ltd. • **Italy** Grundfos Submersible Motors Srl • **Mexico** Bombas Grundfos de Mexico Manufacturing S.A. de C.V. • **People's Republic of China** Grundfos Pumps (Suzhou) Co. Ltd. • **Russia** Grundfos Istra LLC • **Taiwan** Grundfos Taiwan Manufacturing Co. Ltd. • **United Kingdom** Grundfos Manufacturing Ltd. • **USA** Grundfos Pumps Manufacturing Corporation



At our production facility in Hungary, we welcome guests to experience the unique Grundfos production process for themselves. In this state of the art factory, pump workpieces are mounted in hydraulic fixtures for maximum precision and both workpieces and components are subjected to strict control measurements in Hungary's largest in-plant control laboratory. Every step of the process leads naturally and efficiently to the final, thorough test, which determines whether a pump is worthy of the Grundfos name.



SELECTED REFERENCES

GRUNDFOS CBS SOLUTIONS CAN BE FOUND IN HIGHLY SUCCESSFUL COMMERCIAL BUILDINGS AROUND THE WORLD. WHATEVER THE APPLICATION AREA, GRUNDFOS CBS WILL HELP YOU REACH THE LEVEL OF COMFORT, RELIABILITY AND ENERGY EFFICIENCY THAT YOUR BUILDING DESERVES. VISIT WWW.GRUNDFOS.COM/COMMERCIALBUILDING TO VIEW OUR IN-DEPTH CASE DESCRIPTIONS



KÖNIGSBAU ARCADE

At the Königsbau Arcade shopping centre in Stuttgart, the contractor chose Grundfos for our ability to supply a full-range solution with low operating costs and a high degree of flexibility in the lifting plant. Our high-quality, energy efficient pumps can be monitored and controlled through LON-bus connections, which is a huge advantage in large installations such as the Königsbau Arcade.



ISBANK HEADQUARTERS

As Turkey's most respected company and one of the 500 largest corporations in the world, Isbank wanted only the best for their new corporate headquarters in Istanbul. Grundfos came up with an innovative and cost saving pressure-boosting solution, which prevents excessive static pressure and noise by placing boosting systems and custom-built dampers on four different floors.



63 BUILDING

More than 50 Grundfos TP and CRE pumps provide air-conditioning for this Seoul landmark, which became Asia's tallest building when it was completed in 1986. The Korea Life Insurance Company chose the Grundfos solution mainly due to its unrivalled efficiency, with Grundfos vertical multistage and inline pumps beating competitor brands by up to 15% and 10% respectively.



SAP ARENA

The SAP Arena in Mannheim is one of the most modern multi-functional venues in Europe. So it should come as no surprise that the contractor chose to single-source the pump solution to one of the world's most modern pump suppliers. The full-range Grundfos solution ensures total compatibility and easy maintenance, while the use of speed controlled pumps guarantees high energy-efficiency and low operating costs.

THINKING BUILDINGS UNIVERSE



WANT TO KNOW MORE?

Thinking Buildings Universe is the place to go if you want to learn more about our pump solutions and pump technology. Our powerful web portal is developed specifically to help engineers, contractors and students in their day-to-day work, and here you can gain access to unique selection and specification tools and a lexicon of relevant articles. The portal also features the Grundfos e-learning programme that lets you develop your professional skills through short, engaging modules.



Pay us a visit

The Thinking Buildings Universe is a rich source of knowledge, inspiration and tools for anyone interested in pumps. The intuitive navigation provides the information you are looking for quickly and easily, from pump spec sheets to cases and references. You can even create your very own profile, which will remember your favourite features, news and tools. In short, we believe the Thinking Buildings Universe is the only pump website you are ever going to need.

Sign up for Thinking Buildings E-News

Now you can have the latest news on pumps and technology sent straight to your inbox four times a year, including a best of year edition with all our readers' favourite articles.

SPREAD THE NEWS. TAKE A CARD. TIP A FRIEND

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GRUNDFOS CITY

– LET US SHOW YOU WHAT WE KNOW

Grundfos City is the Grundfos CBS competence centre, where we provide our customers and sales personnel with knowledge and inspiration for designing optimal systems. The centre is located in Hungary, close to one of our biggest production sites in Europe. Here, we conduct guided tours of the production facilities to give our guests a detailed look into the way our products are made. If you want an in-depth understanding of our products, technologies and mindset, Grundfos City is the place to go.



THE GRUNDFOS CITY CURRICULUM

At Grundfos City, we host a variety of events – each one tailored to suit the interests and needs of our guests. Events usually involve training in one or more of the following areas:

- Thinking Buildings Universe
- Grundfos solutions
- Pumps and applications
- Engineering manuals



“The energy saving programme and the sheer size of the plant made quite an impact on me. That you manage to keep the manufacture of such a wide range of products so organised is impressive.”

Marc Adriaansen
Holland



“The factory is very organised and efficient and I enjoyed being met with the utmost professionalism and hospitality throughout my stay in Grundfos City.”

Mikhail Smelenko
Russia



“The factory tour was an opportunity to witness a very organised and efficient production process, where I was particularly impressed by the energy saving programme. The training centre itself was highly professional and gave me a lot of know-how that I will be able to utilise in my work.”

A. P. A. de Hond
Holland



“It was a pleasure to visit a very modern production plant that exhibits the same high standards as the Grundfos products. I am grateful to Grundfos for sharing their knowledge, experience and training with the world.”

Giorgiadis Iosif
Greece





Pump professionals

Our products are quite extraordinary and meant to give you more than you expect, so it is only natural that the same applies to our sales people.

At Grundfos, we make a point of educating our employees extensively, so that they are fully qualified to act as consultants on our clients' projects. Our employees have an in-depth understanding of the pumps and pumping systems that we supply, and they are ready to assist you all the way from dimensioning to implementation.

We take education seriously and have built an academy for the training of our employees. The Poul Due Jensen Academy is Grundfos' international training centre that supplies our competence centres around the world with courses on the latest technology. We have also established satellite academies to reach our employees in India, Russia and China, and more are to come.

WE ARE AS PROUD OF OUR PEOPLE AS WE ARE OF OUR PRODUCTS. THEIR EXPERTISE AND KNOW-HOW PROVIDE OUR CLIENTS AROUND THE WORLD WITH PROFESSIONAL GUIDANCE IN EVERY STEP OF THEIR PROJECTS

