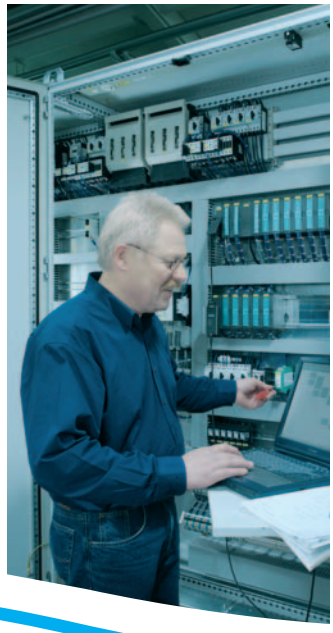
We make air work on your behalf













Venti Oelde

Progress and innovation

Creative climate allows unu



Venti fits me, because

I'm a curious person.

And innovation requires

fresh, new thinking.

All engineers at Venti Oelde are bound together by a common passion: a fascination with air and the almost unlimited possibilities for its use in modern systems engineering. The entire bandwidth of this potential is reflected in our solutions. Innovative power, technical capability and reliability have allowed us to be a partner to customers in a wide variety of industries – and to be one of the world leaders in air technology.

At Venti Oelde, progress means being inspired to develop optimised solutions, planning with a love for detail, and creating an open climate in which ideas and creativity can freely unfold. We meet new challenges with a great deal of expertise and a healthy portion of curiosity: in our testing and experimental facilities we constantly try out new techniques, and in this way develop innovative long-term strategies for complex job specifications. We are not satisfied until our ideas have proven themselves in practice – and we can identify 100% with the results.

sual perspectives











To our minds, sustainability means blazing new trails and actively working to help achieve technical advances. Our engineers develop entire plants individually according to the needs of our customers – while always thinking a little bit further ahead than the others.

Innovations from Venti Oelde are an expression of this long-range view and a way of thinking that translates into exceptional ideas and practicable, reliable solutions. Values that will continue to determine our actions in the future.

Common values

The common basis provides





Venti fits me, because I believe that people can only reach their goals when they have a solid and established basis from which to work.

Quality and competence

Those who want to achieve something exceptional need convincing goals and ideals with which all employees can identify. Marked quality consciousness and continuous expansion of knowledge are central, connecting elements of our corporate culture. We meet this standard through intensive, personal dialogue, both internally and externally. We communicate eye-to-eye with our customers, because we know the requirements that exist in each particular industry. That's why we speak the same language as our customers, who time and again expand and enrich our knowledge with valuable details.

Long-range view and long-term thinking

As a certified midsize company, we think ahead. Our self-image is expressed through long-term concepts with individualised solution capabilities. Sustainable management and a balanced

a strong foundation and security



relationship between economy and ecology characterise all of our products and system solutions.

Flexibility and customer orientation

For 80 years, Venti Oelde has also stood for the conviction that flexible thinking and action are essential prerequisites for the viability of our company and the success of our customers. We can only retain our stability while changing with the times when we react quickly to changing conditions, and when we fulfil the expectations of our customers better than our competitors can.

This is how we create trust and set the standard: with extraordinary quality, mature competence and the innovative power of our employees.

Employees

Freedom means room for in











People are always at the centre of what we do. Flat hierarchies and openness in our relationships with each other are for us binding prerequisites for exceptional performance. At Venti Oelde, no one merely sticks to their job descriptions. On the contrary – as highly qualified and creative “team players”, employees at Venti Oelde apply themselves actively for the success of the entire company.

Success is not the work of any single individual, but rather is based on personal accountability on the part of all employees. This is how we achieve a high degree of efficiency and capability – and secure a solid competitive advantage for ourselves.

In order to retain and expand this market position in the future as well, we continuously further develop the technical and personal competencies of our employees, and convey in-depth knowledge of industries and a high degree of motivation – along with the greatest possible flexibility. Distinct service-orientation, integrity and loyalty

itiative



Venti fits me, because I consider myself a fair and committed person. And here I can work in a team with like-minded people.

towards our customers are as important for Venti Oelde employees as are farsighted thinking and an inexhaustible potential for ideas.

Venti Oelde wants to win the enthusiasm of its customers: with quality, innovation and efficiency. For this reason, our internal employee suggestion program has developed into a “think tank”, and this is also why we continuously invest in the knowledge, the qualification and the opportunities for the growth of our employees. This is because their capacity for enthusiasm about new ideas is the future of our company and the basis for the satisfaction of our customers.

Taking everything into cons long-term success

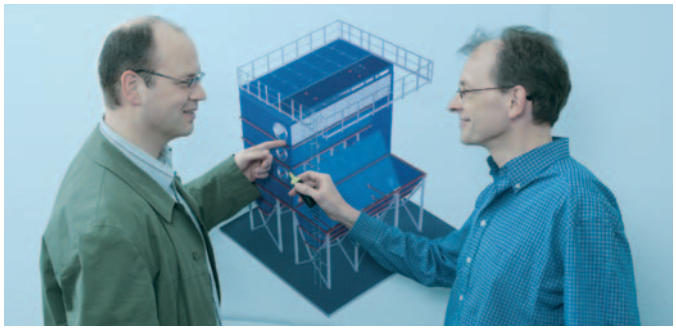


Venti fits me, because I don't like unpleasant surprises. An integrated consideration of everything from A–Z gives our customers binding security when it comes to planning and costs.

Our consulting services have a holistic character. We're there when our customers need us. In every phase of a project. With competence, comprehensive knowledge of the industry and many years of market experience. As a full-range supplier, we offer our customers all services from a single source, and in this way avoid cost and time-consuming problems interfacing with third parties. In doing so, we think not only of today, but also consider the plans our customers have for tomorrow. In this way, costs can be cal-

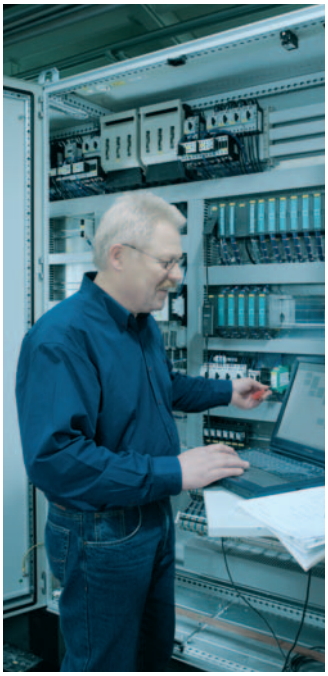
ideration makes for













culated precisely and future plant expansions or final expansion phases can be included in planning from the beginning.

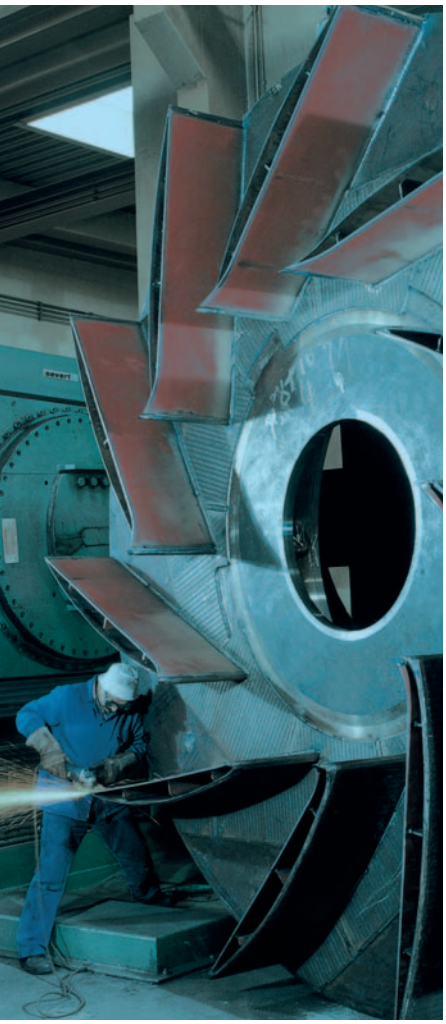
Our customers profit in multiple ways from our integrated perspective: long useful lifetimes of the plants, precise calculations of profitability and an increase in production capacity.

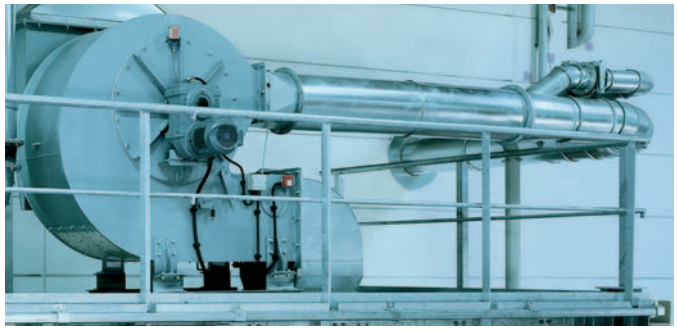
But integral thinking also means conceiving well-thought-out long-range solution strategies that are aligned to the business environment our customers operate in. In this way, we can take specific local conditions and requirements specific to the industry into consideration from the outset, and provide precise suggestions.

We focus on individualised consultation that meets legal requirements, the demands of the market and the goals for optimised efficiency in equal measure. Our integrated approach to consulting guarantees our customers task-oriented and highly skilled guidance – and creates a constructive basis for trusting and long-term partnerships. That's why our customers feel they are in good hands with Venti Oelde.

Components

Quality is the sum of all de

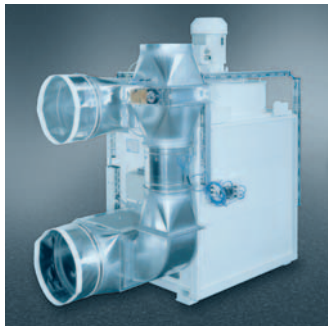














High-quality components are key to excellent process quality. The longevity and solidity of our core competencies are the result of the highest standards for development and manufacturing. With highly modern plants and a broad palette of industrial and process gas fans, with diameters of up to 4.5 metres and special wear protection, Venti Oelde is among the world leaders in air technology.

In our research and development division, our design engineers are highly committed to the constant optimisation of quality parameters such as acoustics, efficiency and strength. The resulting reliability of our components has decisive importance for smooth production processes.

Innovative technology and the best possible balance between material and function allow for efficient use and a balanced cost/benefit ratio.

Moreover, we develop and manufacture custom-tailored component solutions that allow for precise integration, and that can be produced serially for a particular customer as a cost-saving standard solution. In this way, unique components are created with which our customers can considerably increase their production capacity without costly system adjustments.

“Everything from a single source”: a requirement that is as binding for our components as it is for our system solutions in plant construction.

tails



Venti fits me, because I'm not satisfied until something is perfect. It's nice that everyone here thinks that way.

Plant engineering and construction

Each plant needs to have a



Venti fits me, because I know that each task and objective is different. That's why our plants are as individual as our customers.

Almost every Venti Oelde plant has its own "face", and an individual story of its creation. What's special about that: our plants and system solutions are as unique as the requirements of our customers. Because complex objectives don't allow for off-the-shelf solutions. Unconventional thinking paired with many years of experience in air technology is the basis for plants that are tailor-made to the needs of our customers.

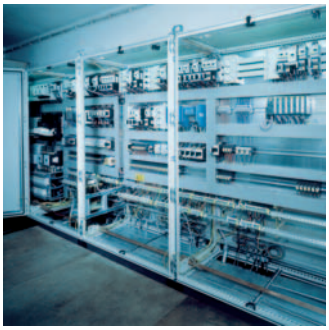
As a general contractor, we develop, produce and install

face











high-quality all-in-one systems to suction, convey or filter air, steam and gases, as well as dust and light materials. Aside from dust-extracting equipment, our product portfolio also includes modern ventilating, air-conditioning and heat-recovery systems, industrial fans and innovative recycling and pollution-control systems. The electrical coupling of individual components within a system is handled by trained specialists from within our company.

Control engineering is of central importance in the area of all-in-one systems. Depending on the needs and type of system, we offer our customers simple control systems in compact elements, or complex system control via PC and monitor.

In partnerships for development, we achieve projects time and again that go far beyond the standards of conventional plant construction. In doing so, our experience from various industry segments flows into the new and further development of plants, and often leads to the creation of completely new system solutions.

All the while, our specialists keep their eye on one goal: the success of the project from the viewpoint of our customers. For that, they apply themselves in pragmatic and goal-oriented ways.

Plant construction product range

A broad spectrum means m







Industrial and process gas fans

Our designs are durable, low-noise and maintenance-friendly. The conceptual spectrum of industrial fans comprises high-pressure versions for the handling of gases and dust-free air, fans to handle woodchips and materials, high-efficiency fans for transporting gases and dust, and large fans for dust-laden air. For the circulation of hot gases with temperatures exceeding 1,000 °C, or for corrosive gases, we build special fan models from corrosion-resistant materials.

Aside from the high efficiency and the adjustment of rotational speed to operating workflow, the individual design of our fans distinguishes our product range. Each fan is calculated and constructed for its specific use based on process parameters.

Dust collection and filtering of process gas

This involves capturing, handling and filtering dust or solid particles out of the air and process gases through various filtration systems, from jet-tube filters to wet dust collection.

We have developed a completely new filter that is especially fine-tuned for the filtration of air laden with high-volume or fleecy fibrous materials. We can deliver our plants turnkey-ready if needed. To do this, we concern ourselves with all the components, from the suction system to the exhaust shaft. The filtered dust is conveyed by our equipment either mechanically, or, over greater distances, pneumatically, to a disposal point.

ultifaceted knowledge



Venti fits me, because I am still inspired by the many possibilities that air presents, even after all these years. The exchange of information between colleagues from other product areas produces new ideas time and again.









Exhaust gas treatment systems

Extraction of welding and fumes as well as steam and heat produces a good “operating climate”. Venti Oelde develops total solutions for this for workplaces, booths, rooms and halls of all dimensions. For example, in industrial printing processes, the discharged air may be loaded with solvents, moisture, odours and excessive heat. We have developed an effective system solution to biologically clean the flow of discharged air. The remaining heat energy is recaptured economically by a heat exchanger. The operating costs are lower than those of comparable methods.

Plant construction product range

Market leadership through c









Venti fits me, because I'm convinced that talent must be cultivated. That's why our specialists always know a bit more than the others.



Ventilation and heating and air-conditioning plants

Venti manufactures and installs air heating systems, ventilating with heat recovery, and air-conditioning plants for workshops and other industrial areas. By recovering up to 75% of the heat energy, productivity can be improved – while at the same time lowering operating costs and optimising workflows. The heat exchanger we developed, for example, is regulated according to measured readings. In combination with equipment for incoming and discharged air and cooling and humidifying plants, as well as intelligent air distribution, a reduction of conventional heating of large rooms is achieved in an economical way. The integrated supplementary heat is therefore used only when outside temperatures reach extreme lows.

Recycling and waste-processing plants

Oelde is the source of recycling plants for the recovery of reusable waste and material separation. Aside from pro-

ore competencies







cessing systems behind large shredders, mills and incinerators, we deliver dust-collection plants and air-management concepts for waste-processing companies. Our fundamental goal in this is to achieve the optimum in investment and operating costs through customer-oriented and flexible solutions.

Surface treatment technologies

Venti Oelde is a full-service system supplier when it comes to the drying of surface treatments on a wide variety of materials. Through many years of cooperation with partner companies, specially developed drying systems could be integrated into entire surface treatment plants. The conveyor systems for the necessary cycle and flow times were thus developed through cooperative effort. Our strengths can be seen in our contact, radiation or convection dryers.

Industrial solutions

Those who know their way more quickly and plan ahea











We've been at home for decades in many industries, and we know the specific needs of our customers. Whether it's the recycling industry and waste management, the chemical industry, printing, paper and cellulose processing, or the production of energy: air technology from Oelde is used in these industries and in the automotive, foundry, wood and cement industry, as well as in all areas of metals production and processing.

We have been able to contribute effectively in all industries towards creating a world where no contradiction exists between economy and ecology. For this, a thorough knowledge of legal constraints is necessary. Through close exchange of information over many years with our customers, an understanding of industries has resulted that allows us to be a competent problem solver – in all industries in which we operate.

One example from metals recycling is our development of separation equipment for multiple types of metal. Through the combination of various reduction and sorting components, automobile chassis, mixed scrap, electronics and electronic scrap, electric motors, waste sheet metal and aluminium can be processed. Through genuine separation of these materials, greater profit can be attained in the sale of these recovered secondary raw materials.

Venti Oelde is a specialist for air and waste management systems in the print-processing industry as well. Here, we consider not only

around can comprehend d



the printing machinery, but also their surroundings.

We improve air quality in production buildings, control ideal temperature and humidity in the work area, and filter out solid, fluid and gaseous components.

Our combined industry knowledge: the basis for efficient solutions from a single source.

Venti fits me, because I like to be well-prepared for a meeting. The more informed one is about the conditions within an industry, the simpler discussions are and the better the results.

Recognise problems before t



Venti fits me, because I like to maintain an overview. With our modem monitoring, it's possible to check the function of components online and to design processes more safely.

hey happen















Our idea of reliability and safety doesn't stop with the delivery. Aside from installation, launching operation and maintenance of systems, Venti Oelde services also include on-site training of technical personnel. Our experts offer comprehensive instruction on operation of new systems and inform as needed about current norms, guidelines and legal requirements. Our hotline is manned around-the-clock. And in emergencies, we also establish contact right away with the appropriate product specialists – at weekends as well. Quickest possible availability is a matter of course for our replacement parts service.

Aside from conventional maintenance services, we also offer remote system monitoring via modem. Remote diagnosis via data transmission allows quick and precise fault analysis in cases of breakdown, and delivers early details about specific sources of problems. Through this form of preventive maintenance, production downtimes and costly repairs can often be avoided.

For system expansions or repairs that require interruption of processing, we can perform the necessary work at night or on the weekend. This helps keep downtimes to a minimum.

Worldwide activities

Unlimited trust is a reward













Our sales partners strive for the satisfaction of our customers worldwide. All services of Venti Oelde are available internationally and offer the same high quality all around the globe.

Our experts possess not only expertise about the special technical conditions that need to be considered during planning and installation of systems to be operated in extreme heat, cold or humidity. Equally important are our many years of international experience and a wide-reaching knowledge of local laws, norms and regulations.

A high proportion of exports offer convincing proof that we enjoy the trust of our customers far beyond the borders of our location in Oelde.

And we will continue to use all of our knowledge and our innovative power to maintain this trust in the future.

and a responsibility



Venti fits me, because I'm a down-to-earth person. Despite our worldwide success, one thing remains the same: innovative air technology comes from Oelde.

Subject to alterations C 1/03/20/2.Stu

- Industrial fans
- Dust collection and process air cleaning plants
- Exhaust air treatment plants
- Ventilating, heating and air conditioning plants
- Recycling and waste processing plants
- Surface technology



Venti Oelde

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