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Piling for future

Safety and digital solutions have been the most significant and powerful forces shaping the construction industry and equipment manufacturing in recent decades. Now, the key questions and concerns that all branches of the construction industry are focusing on are how to limit harmful emissions and how to recycle scarce natural resources and reduce their use. Thankfully, technological development is leading to new and more sophisticated solutions to develop new materials, and innovations to reduce emissions and optimize our operations so that we really can work more sustainably.

Junttan - respecting ground

Juntan is facing the same demands as other companies in the sector for development towards a safer and more sustainable future. Our history of more than 45 years in the business has taught us much, and our products have been ahead of the competition for decades. However, there is still a lot to be done. Over the last decade, our aim has shifted towards producing equipment with less fuel consumption, and last year we launched the world's first electric pile driving rig. Our development will not stop there – plenty still needs to be done to reduce our environmental impact. This review shows where we are at the moment and how we intend to continue on our path to becoming the most sustainable brand in the industry.

TOMMI LEHTONEN, CEO, JUNTTAN OY



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Our values

CUSTOMER SATISFACTION

Our goal is to exceed our customers' expectations with excellent and reliable products that are built to meet demanding requirements. We are always close to our customers, and listen carefully to their needs. With fast reaction times and highly functional and productive equipment and service solutions, we offer customers an outstanding price-to-quality ratio.

RESPECT FOR THE ENVIRONMENT

Our biggest environmental footprint comes from the steel raw materials and energy we use in our production. We want to be part of conserving natural resources and protecting global ecosystems, by trying to find ways to reduce the amount of energy and natural resources we consume.

We value people, and stand behind our promises. Open and honest interaction with our customers, personnel and stakeholders are the cornerstones of our operations. We also demand the same high standards from our collaborative network, and work hard to further improve wellbeing locally.



THE ABILITY FOR RENEWAL

Our long history and determination to be the trailblazer in the industry push us toward further innovations, and we keep an open mind in how we approach new technologies and new ways to think. To continuously develop our products and services, we are committed to doing all we can to provide the best solutions in the future also.



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UN Sustainable Development Goals

SUSTAINABLE DEVELOPMENT GCALS In all our operations, Junttan is committed to promoting the United Nations Sustainable Development Goals (SDGs). There are 17 SDGs, and we have identified eight to which Junttan is best placed to contribute and which we can focus our efforts on.



The Sustainable Development Goals or Global Goals are a collection of 17 interlinked global goals designed to be a "blueprint to achieve a better and more sustainable future for all". The SDGs were set up in 2015 by the United Nations General Assembly and are intended to be achieved by the year 2030. https://www.globalgoals.org/



4 QUALITY

We pay attention to well-being and work safety of our employees and all others involved working with our equipment.

We encourage and offer education and training opportunities to our employees so that they can continually develop their professional skills and fulfill their career aspirations.



At Junttan, we promote equality and diversity in everything we do. Every employee is treated fairly and with respect regardless of location, position within the company or any other characteristics.

9 NOUSTRY, DNOVATEON AND NHRASTRUCTURE CO

The focus in Junttan's product development is to design new, environmentally sustainable products and services for the construction industry.



As of 2017, our operating system is officially ISO 9001 certified. Our factory uses environmentally friendly district heating, and 97 % of all our waste is recycled into new materials or used to generate energy.

13 CLIMATE

Junttan equipment is designed with a keen eye on sustainable development. As a result, they create less noise and vibration, and fewer emissions than conventional piling equipment.



Our production facilities are designed to prevent oils and other hazardous waste from harming the environment.

17 PARTINERSINIPS FOR THE GOALS International partnerships to develop more sustainable piling

equipment and solutions, such as the development of an electric pile driving rig with Per Aarsleff A/S.



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We are respecting the ground.



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Renewable energy solutions with help of Junttans

Our products play a key role in many sustainable energy production projects. For example, the foundations of several windmills and solar power plants in Germany, Poland, the Netherlands and the UK have been built with Junttan equipment due to their special features that competing products do not have. Junttan's machinery will in the future place high within the European Union taxonomy classification system in which sustainable activities and investments are listed to provide a clear and safe operating framework for the industry.



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Responsible and certified production

ISO 9001 certification and continuous auditing of individual functions keep us on track with the use of raw materials and energy as we develop safety and other aspects of our production, thus enabling greater efficiency and sustainability in our production. We also have a solar power plant under evaluation for our Kuopio factory.



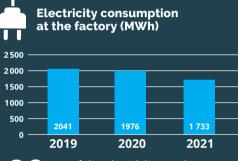
ISO 9001

Our operating system has been officially ISO 9001 certified. We pay close attention to the quality and operation of our supply chain. For example, we require our suppliers to have the ISO9001 and ISO14001 standards.



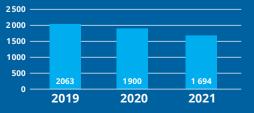
们 50%

Environmentally friendly district heating is used in our Kuopio factory, with over 50 percent of the heat being produced with local renewable biofuels.



of the electricity used is from renewable fuels







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Recycling at Junttan

In 2021, our operations generated 308 420 kg of waste.

All our waste is carefully sorted, and almost all of it is recycled into new materials or used to generate energy.





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\$96%

When Junttan equipment finally reaches the end of its lifespan, 96 % of its content by weight is recyclable. The materials used in our production are mainly steel and other recyclables, and only batteries and some hydraulic components are non-recyclable.

EN16228

We follow the latest European standards in the design and manufacture of our equipment. Our professionals also take part in the standardization workgroup.



A two-person crew and usually only one low loader is needed to transport and operate Junttan equipment. Less manpower and other equipment create a smaller environmental footprint compared to similar heavy equipment.

20-25 years

Usually, our equipment is first used by our main contractor level companies for the first 8 to 10 years. After the first owner, the equipment often goes to a subcontractorlevel company, where it will be used daily for another 10 to 15 years.

High quality and a long product lifespan

Our state-of-the-art piling equipment is made to last. Junttan's first purpose-built pile driving rig was built in 1983, and in 2016 it was still working in the Netherlands. When the equipment is used for a very long period of time, it is clear that this has a big effect on its CO² footprint, as the emissions from production will be divided over a long period of time.



We offer a wide range of services to update the equipment during its years of operation. Modern engine updates to reduce particle emissions are also possible.



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THE WORLD'S FIRST ELECTRIC PILE DRIVING RIG



Development of new sustainable products and services

The focus of Junttan's product development is to promote sustainability when designing new products and services. We continuously explore new solutions to this end. One important aspect is making our operations increasingly sustainable is the introduction of the world's first fully battery-powered electric pile driving rig, which we launched in 2021. This rig is as reliable and strong as every Junttan rig, but with a modern electric 'soul' and it is our first big step towards the green transition. It has the same robust structure and unbeatable stability but produces no fossil fuels. It also has the same working speed and reliability, but lower energy consumption - and has even more power but creates less noise pollution.

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Our goal is to make existing sustainable products and services available to a wider range of customers to help them make their own operations more sustainable.

Remote solutions reduce travel

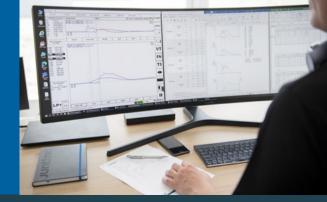
For nearly a decade, all Junttan equipment is equipped with remote connection hardware and LIFE software that allows factory professionals to connect to the equipment. Functions can be adjusted remotely, thereby reducing travel and site visits.

Also, leading less travel and visits to work sites is guiding our actions in pile testing solutions. Dynamic load testing is globally one of the most important quality assurance methods for piling. Simply put, dynamic load testing results in safer foundations. Junttan deep foundation analysis team is committed to provide dynamic load tests remotely with sustainability in mind to further enhance the required dynamic load tests and improve onsite flexibility and efficiency, with smaller ecological footprint.

Juntton

Modern Stage V engines in use

Stage V engine technology, with the latest Junttan Idle Stop system, ensures more economical and environmentally friendly operations when the motor automatically stops when not piling. This also results in fewer harmful emissions.





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PEOPLE

3 GOOD HEALTH A COUALITY A COUALITY 5 COUALITY

Our employees are the key to our success.

JUNHON



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Work safety

We follow strict control and safety requirements in all departments and production of equipment, as well as on test and work sites. We strive to reduce accidents through more effective anticipation, safety monitoring and information campaigns, and clean and safe work environments. Our aim is to reduce the number of lost-time accidents to zero.



We follow the EN16228 standard, which sets out rules and guidelines on how the equipment needs to be designed and built, the safety margins that must be factored into structural calculations, the manner in which critical components need to be chosen and installed, and what kind of limits and conditions must be taken into account in calculating capacity and lifting tables, for example. The standard also stipulates the safety requirements that cabins and other parts of the equipment must meet, how to calculate ground pressure, and many other details.

COVID-19

During the COVID-19 pandemic, we have followed the government guidelines closely and provided instructions and support to secure not only physical but also mental wellbeing. We do this by a range of means, such as offering flexible working possibilities and professional support for employees when needed.



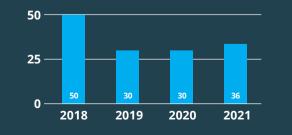
Close proactive cooperation with

occupational health care service providers to prevent potential health

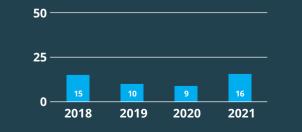
risks and problems, or as early as

possible if they arise.

LTIFR (Lost Time Injury Frequency Rate) *



Number of accidents at work



* The number of lost time injuries occurring in a workplace per 1 million hours worked.



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Flexible working possibilities, both in terms of working time and location.





A safe work environment, with the objective of zero accidents occurring.

Ensuring ergonomics and modern tools.

Internal rotation – for example, the possibility to change work position for example if the person's health needs require it.



Good health and wellbeing at all ages

Our employees are our greatest asset. It is of utmost importance that all Junttan employees are well and capable not only to work efficiently both physically and mentally but also enjoying their everyday lives to the fullest. This objective can never be compromised, nor do the efforts to achieve it ever come to an end. We offer flexible working possibilities, access to high-quality occupational health care, and conduct annual wellbeing surveys. We have also introduced monthly leadership fora and organized local recreational get-together events regularly (winter fun outdoors, fishing, summer and Christmas parties, etc.). We are currently exploring the level of interest among employees in providing bicycles for commuting and free time. We are also planning internal health and safety exhibitions for the near future.



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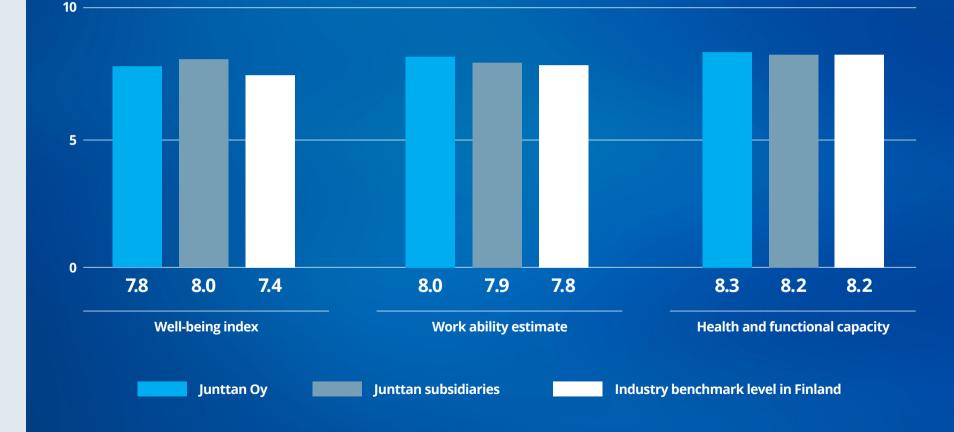
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Wellbeing index 2021

Long-term actions are reflected in results. We measure occupational wellbeing annually by asking about employees' health and wellbeing, how they see the company, its strategy, management, and their own position and wellbeing.





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Junttan Group Management team 2021





Junttan's Code of Business Conduct and Ethics was released in 2020. Our human resources department carries out monitoring to ensure that all Junttan employees are aware and acknowledge the company's code of conduct as part of the induction process.



The piling industry is traditionally maledominated. As part of our commitment to equality and diversity, we want to support the entry of women into the industry, for example by highlighting female employees on social media, appointing women to senior organizational positions and participating in Women in Technology events.

Equality and diversity

At Junttan, we promote equality and diversity. We currently have employees of 11 nationalities working at the company, and we warmly welcome more in the near future. Every employee is treated fairly and with respect regardless of location, position within the company or any other characteristics. We have zero tolerance for discrimination and harassment of any kind, whether it is targeted at age, sex, race, ethnical background, religion, ancestry, gender, disability, marital status, medical condition, sexual orientation, national origin, or veteran status.

We launched a whistleblowing channel in 2020. Two reports were made through the channel in 2021, and immediate actions were taken in response in line with our process. This policy serves as the basis for how internal and external stakeholders can report unacceptable matters to us.



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J-Academy was launched in November 2021. Its purpose is to bring together in one platform all Junttan's internal and external training, skills development programs, and other elements that support education and skills (e.g. dictionaries, and a library of academic research theses related to Junttan).

Education and skills

Junttan is the world leader in manufacturing hydraulic pile driving equipment and related fulllifespan services. This would not be possible without an extremely high standard of skills. We encourage and offer education and training opportunities to our employees so that they can continually develop their professional skills and fulfill their career aspirations.





Introducing Modern Workplace tools and practices in 2020.

Modern Workplace was originally a Microsoft 365 project, started in 2019, to update our everyday tools and communications processes. We now have a shared intranet, called J-hub, info screens in our production facilities, and we use Microsoft Teams software for communication and seeking information.

These have enhanced efficiency in our internal data processing and communications.





Collaboration with local educational establishments and initiatives such as offering trainee positions, and final thesis projects.

Developing our brand to attract the best talent.



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Social responsibility and valuing locality in all Junttan locations

Community engagement is one of the key pillars of corporate social responsibility. We are proud to improve local wellbeing and wealth by paying taxes and providing employment. We also contribute to the vitality of local communities in various informal ways, such as supporting local charities, sports clubs, schools, and families in need.







Junttan's operations also provide local jobs, and support local businesses and local economic growth.





Sponsoring young talents and local sports clubs and donating funds to local charities, such as Save the Children, local Christmas tree charity campaigns, and the children's cancer clinic of Kuopio University Hospital. In all, we give approximately EUR 20,000 a year to these important causes.

One of our aims for the next two years is to create a Junttan Trust for making an increasingly active and effective contribution to society, and for Junttan to take increasingly transparent action in sponsoring and donations.



We carry out various kinds of partnerships with local companies and schools to help them improve their operations and know-how.



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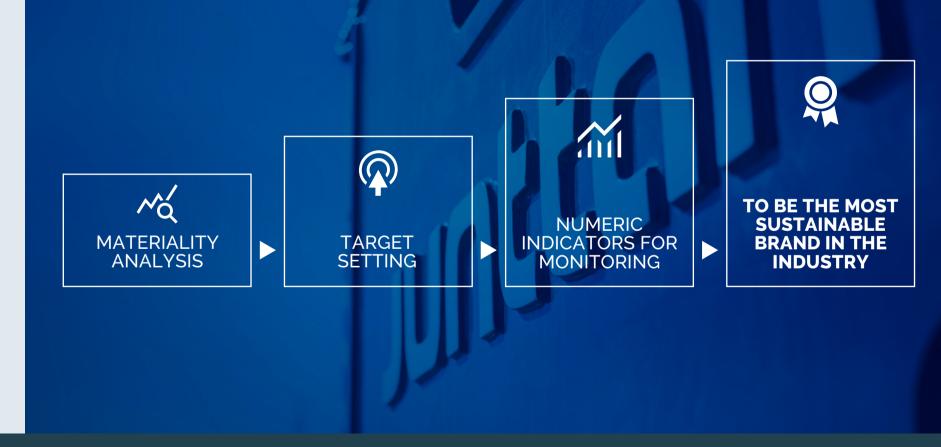
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What next?

Our vision is to be the most sustainable brand in the industry. We are in early-stage on this goal and to achieve this there is still a lot to be done. Our next steps in 2022 are to set sustainability targets based on a materiality analysis to identify and prioritize the issues that are most important to Junttan and its stakeholders. We will also define numeric indicators to enable us to monitor progress towards our targets.





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