

BOOM

Information for customers, distributors, staff and friends



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Editorial



Dear customers, staff,
business partners and friends,

our company has never gained as many new sales partners as in this year and we are delighted that this large community continues to grow in all continents. We have actively pushed the global SENNEBOGEN presence with the foundation of

our offices in Singapore and St. Petersburg. And we never have introduced so many new products into the market as in 2010, permitting us to expand our range of offerings even further.

The field of renewable energies deserves special focus, and in this issue of the BOOM we devote an entire page to the topic.

In short: Things are happening at SENNEBOGEN, so keep your eyes on us in 2011 – we're bursting with ideas!
Yours sincerely,

Erich Sennebogen jun.

JOB SITE REPORTS CRANE LINE

SENNEBOGEN 7700 sees first use on large construction site in Duisburg



The new SENNEBOGEN 7700 with 300 t lifting capacity into use at the building site for the new Central Vocational College in Duisburg. The 29.9 m main boom and 41.1 m luffing jib creates the necessary large working radius of up to 60 m.

Franz Bracht Kran-Vermietung GmbH, a crane rental specialist, has put the SENNEBOGEN 7700 handed over at the bauma 2010 into use on a large construction site.

In keeping with this new SENNEBOGEN crawler crane top model, this first-time use is at the building site for the imposing new Central Vocational College in Duisburg. With an investment volume of around 60 million Euros for the construction work, when finished, the project will offer approximately 55,900 square metres of space for modern workshops, laboratories and classrooms for around 2,600 students in various disciplines. The Goldbeck Company will supply the planning and construction services as well as the financing and operating services for the Vocational College for the next 25 years. Completion is planned for September 2011.

The SENNEBOGEN 7700, with a maximum load of 300 tons, will be used for the erection of the administration building and will be configured with a 29.9 m main boom and a 41.1 m luffing jib. This creates the

necessary large working radius of up to 60 m. Heavy prefabricated concrete parts of up to 24 tons, steel parts and containers can be quickly, precisely and safely lifted into the required position. Movement under load is guaranteed through the robust running gears with a maximum of 1,500 mm width and 200 tons drive force, ensuring maximum flexibility on site.

"The user friendliness and the stability of the machine are excellent. Worth mentioning is also the very robust yet compact design of the crane, because we often have only a restricted amount of space to work in" notes crane driver Björn Stolze. Mike Lepsien, Construction Department Manager at the Goldbeck Company, is also extremely satisfied with the 7700 at the site: "The machine was selected by us because of its outstanding parameters combined with its compact design. Due to the onsite conditions, it's a big advantage for us that this machine can be operated at its load limit without needing additional ballast, whether suspended ballast or a ballast wagon."



STATEMENT

Dirk Bracht, Managing Director of the Franz Bracht Kran-Vermietung Company, is equally impressed by SENNEBOGEN: "Due to our positive experiences with SENNEBOGEN and the SENNEBOGEN crawler cranes we already have in our rental park, the decision to purchase the 7700 crawler crane was made very quickly. In addition to its high degree of reliability and availability by dispensing with any unnecessary electronics, fast and simple handling is also an important factor for us in the crane hire business."



SENNEBOGEN 5500 at new Library Stuttgart



The facade elements, weighing up to 15 t and consisting of concrete and glass building blocks, could be lifted precisely and safely with the SENNEBOGEN 5500 into the desired position.

Designed by the Korean architect Eun Young Yi, the new Library Stuttgart is the heart of the European quarter. In the autumn of 2011, the crystalline cube will be opened to the public and will become a centre for culture and development. This extraordinary building will cost a total of around 80 million Euros. In the course of this construction project, the construction company Max Bögl has used a SENNEBOGEN 5500 crawler crane delivered by the crane rental company Wiesbauer GmbH & Co. KG and driven by Michael Begemann.

The prefabricated facade elements, consisting of concrete and glass building blocks, were unloaded onsite by the 180 ton crawler crane and were mounted individually in a grid to form an outer facade.

In order to be able to reach all four sides of the building optimally, the SENNEBOGEN 5500 was configured with a 41.1 metre main boom and a 35.5 metre luffing jib. In this

way the parts, weighing up to 15 tons, could be lifted precisely and safely into the desired position.

Even in this application, the fast and unproblematic construction of the SENNEBOGEN crawler crane, combined with the possibility to move under load, has again proved itself to be optimal.

Sales Partner: IBS GmbH

STATEMENT

"Due to the small clearance to the first heat-insulating facade, we had to work very exactly with the outer facade elements. This proved to be no problem with the SENNEBOGEN 5500. The machine is a real workhorse and is incredibly robust, reliable and not over-sensitive. I'm very satisfied with the 5500."

Michael Begemann, main driver

Two crawler cranes ensure more beautiful living



One of the largest furniture houses in Hesse is being built on the site of the Federal Railway's old locomotive sheds in the city of Fulda. What's unique about this building project is the integration of the locomotive sheds themselves - which are listed monuments - into modern retail premises. Until the beginning of the 1960s, these semi-circular ring-shaped sheds were used by the Federal Railway as a repair and maintenance hall.

The Rekers Betonwerk Company, headquartered in Spelle in Lower Saxony, is responsible for manufacturing and installation of all prefabricated concrete parts for this demanding building project. Rekers, with more than 700 employees and decades of experience in the development, construction, production, transport and installation of a wide variety of prefabricated concrete products, is one of the most efficient suppliers in this industry. For the installation work, Rekers, as it has often done in the past, hired two SENNEBOGEN crawler cranes from the Franz Bracht Kran-Vermietung Company. A SENNEBOGEN 5500 with 180 t load capacity and a 4400 with 140 t load capacity unload, lift and position the concrete parts, which can weigh up to 25 t, with the accustomed precision. Altogether 1,309 concrete parts, including supports, walls, beams and ceiling blocks with a total weight of 9,700 t will be installed by both SENNEBOGEN crawler cranes.



The two SENNEBOGEN 4400 and 5500 crawler cranes installing prefabricated concrete parts for a new furniture retail store. The building in the background is a listed locomotive shed that will be integrated into the furniture store.



STATEMENT

"On all our construction sites, exact planning and coordinated action are our uppermost priorities. We place great emphasis on reliability and ease of use in the machines we use. Regarding the SENNEBOGEN crawler cranes, we know from the many times we have used them that we can depend 100% on these machines. We very much like to work with these units."

Jürgen Laumann, Installation Manager at Rekers Betonwerk



Altogether 1,309 concrete parts with a total weight of 9,700 t will be installed by both crawler cranes.



The ability to move under load is also a great advantage at this building site.

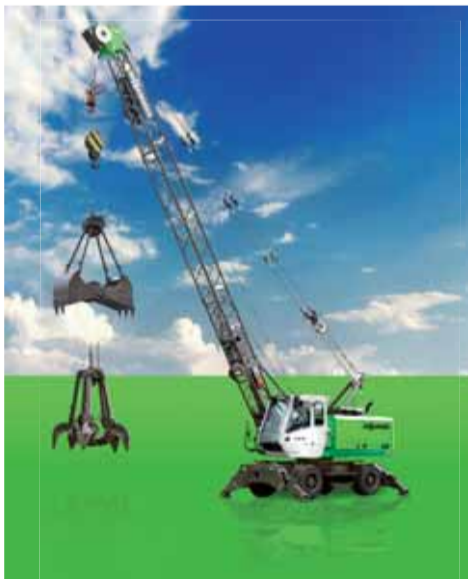
620 HD duty cycle crawler crane impressive in well construction



The extremely compact and robust construction and the easy transportability are key benefits of the new 20 t machine.



Due to hydraulically folding boom the new SENNEBOGEN 620 HD is ready to use in 5 minutes.



The SENNEBOGEN 620 HD duty cycle crawler crane introduced at the bauma 2010 event impressed professional visitors through its hydraulic foldable main boom and the extremely compact and robust construction of the new 20 ton machine. The machine created a great deal of interest, particularly from well sinking and hydraulic construction engineers. The first SENNEBOGEN 620 HD has been taken into service by the Austrian well sinking business Günther Eder GesmbH and has been in operation, naturally in the construction of wells, since June 2010. The professional Team of the new IBS subsidiary in Amstetten/Austria serves the new machine.

For agriculture, irrigation wells in the Eferdinger basin (Upper Austria) are sunk by means of a grab drilling process. The 620 is equipped with a Casagrande VR 1300 casing machine modified to fit the 620 and a suitable grab. The wells have a depth of 18 to 20 m and a casing diameter of 880 mm. The Eder Company is an acknowledged well construction specialist who offers complete irrigation wells with pumping equipment, risers, wellheads and prefabricated shafts. Both management and drivers are enthusiastic about the quietness, performance and compactness of the new 20 ton duty cycle crawler crane. Particularly in well construction, easy transportability and fast setup are very important criteria due to the frequently changing locations of use. "We use the hydraulic folding capability of the boom every time we transport it and it works really well. Moreover in Ecomode, the machine is very thrifty in consumption" notes Gerhard Eder of Günther Eder GesmbH management.

With a main boom length of 6 to 20 m, the SENNEBOGEN 620 HD offers a high degree of flexibility when equipped with clamshell grab, orange peel grab, hooks or dragline options available in addition to the casing machine. A fly boom with 6 to 12 m length is also optionally available. Three undercarriage variants – a rigid crawler undercarriage, telescopic crawler undercarriage or mobile undercarriage with dual tyres – are also available and permit the machine to be optimally matched to any kind of usage.

Sales Partner: IBS GmbH, Austrian Office

» 620 HD

Unique 20 t duty cycle crawler crane with hydraulic folding boom

- Easily transportable with only 2.75 m width and under 24 t weight
- Ready to use in 5 minutes due to hydraulically folding boom
- Main boom length of 6 to 20 m – optionally with a fly boom of 6 to 12 m
- Versatile – with casing machine, clamshell grab, orange peel grab, hooks or dragline bucket
- Extremely compact and robust construction for the hardest usage – quality "Made in Germany"
- Three undercarriage variants: Rigid crawler undercarriage, telescopic crawler undercarriage, mobile undercarriage with dual tyres
- Successor to the legendary SENNEBOGEN 612

SENNEBOGEN 630 HD



Reliable, robust, powerful and flexible to use – SENNEBOGEN duty cycle crawler cranes.

The machine of a thousand wells

A SENNEBOGEN 630 HD duty cycle crawler crane has been in continuous operation at Germany's longest construction site since March 2010.

The 470-km long connection to the Baltic Sea pipeline, known as OPAL for short, runs from the Baltic Sea coast down to the Czech Republic. The pipeline, after completion in the autumn of 2011, will connect the "Nord Stream" pipeline to the European long-distance gas pipeline system. More than 2,500 construction workers are involved in the realization of this mammoth project – including those of Jan Kwade & Sohn KG. On a 136-km long line section, around 1,000 wells are being sunk with a new SENNEBOGEN 630 HD. The machine is equipped with a Leffer 120 KL casing machine with a suitable gripper from the same manufacturer for this purpose. The 700-mm diameter pipes are laid through different ground layers at a depth of 6 to 10 metres and provide the necessary ground water reduction as part of water level control.

"As a subcontractor to the Streicher and Sicim consortium, we're responsible for well sinking and water level control in sections 11 to 14. The wells are an important measure in keeping the pipe utility trench dry" notes Wilhelm Tieck, Hydraulic Engineering Manager at Jan Kwade & Sohn KG.

"We decided in favour of SENNEBOGEN because my professional experiences of the company and its machines in the past have been excellent – their reliability, robust construction and the service play an important role" he continues. In addition, this departmental manager stresses the variety of uses of the SENNEBOGEN 630: "We can also carry out crane work with hooks attached to the machine or work with clamshell or orange peel grabs, so we always have uses for this machine."



» STATEMENT

"We work six days a week for at least 12 hours a day on the machine and are very satisfied. The cab and the handling are first-class; everything is clearly arranged, and – most important of all – the 630 runs without problems."

Holger Koops and Uwe Kohde, drivers of the SENNEBOGEN 630



On a 136-km long line section, around 1,000 wells with a depth of 6 to 10 m are being sunk with a new SENNEBOGEN 630 HD.

SENNEBOGEN 643 crawler – all-round crane in Antarctica



Picture credits for all images: Thomas Matz, AWI

The SENNEBOGEN 643 telescopic crawler crane during the construction of a 30 kilowatt wind power plant.

The Neumayer-Station III research station in Antarctica was opened and began its scientific operation in February 2009. In a construction period of just seven months in total, the station was built over two Antarctic summer seasons.



The SENNEBOGEN 643 loading residential containers onto a sledge.

Two SENNEBOGEN 3300 crawler cranes proved to be highly reliable and high-performance machines during the construction of the research station in Antarctica. Even extreme conditions with temperatures as low as -40 degrees and wind speeds of 25 m/sec were mastered with ease. Nine people now work in the station to monitor operation.

Neumayer-Station III is the first research station in Antarctica which comprises a combined building on a platform above the surface of the ice connected to a garage built into ice and snow. The station, which is operated by the Alfred Wegener Institute for Polar and Marine Research in the Helmholtz Association, stands on 16 hydraulic lifting devices and can be lifted as a whole to compensate for the annual accumulation of snow.

In the garage, the snowcats and snowmobiles are joined by a SENNEBOGEN 643 telescopic crawler crane. In a version specially configured to meet these requirements with a short 23.4 m boom and 20 t hook, the crane in Antarctica is used for a wide range of lifting tasks (standard con-

figuration 643 with 30 m boom length and max. 40 t load). For building a 30 kilowatt wind power plant, for example, which contributes to the environmentally-friendly energy supply to the station.

The crane can move easily on the snow thanks to the crawler undercarriage. With its large base area, it ensures safe working conditions with loads under extreme conditions. Only with this crane is it now possible to lift and move 20-foot containers from the heavy-duty sledge to the surface of the snow. Even larger objects such as antenna systems or measuring devices can be lifted with the SENNEBOGEN 643 R up to the roof area of the Neumayer-Station.

The use of comprehensible and manageable technology and the long-lasting and robust construction of the SENNEBOGEN machines for this type of use is valued particularly highly. The positive experiences with the two SENNEBOGEN Star-Lifter 3300 crawler cranes during the construction of the station were proven again on site with the 643. This machine also impresses with high availability and a service-friendly overall design – for productive work under extreme conditions.



Even the typical inhabitants in Antarctica have taken a shine to the SENNEBOGEN 643.

SENNEBOGEN 683 telescopic crawler crane



Perfect for assembling the prefabricated concrete parts, weighing up to 25 t. The SENNEBOGEN 683 is ideal for safely lifting, transporting and positioning under load.

Bridge building made easier with the SENNEBOGEN 683 telescopic crawler crane

When Philippe Matière visited the Inter-mat in Paris last year, one machine in particular caught his eye – the SENNEBOGEN 643 telescopic crawler crane. The manager of the Matière Company received detailed information on the machine concept at the trade fair stand.

He soon discovered that the SENNEBOGEN telescopic crawler crane covers the requirements on his many construction sites optimally.

Matière is headquartered close to Aurillac and is a leading company in the production of iron and concrete bridges. Matière uses its own patent for underpasses under motorways and railway tracks. These underpasses are tunnels with a width of up to 11.5 m and are made up of ready-mixed concrete arches which are connected accordingly. The weight of the concrete arches varies between 5 and 25 tons. This is why Philippe Matière chose the top model of the SENNEBOGEN telescopic crawler crane range – the 683 with a boom length of 42 m and a load of up to 80 t. The heavy finished parts must be transported and assembled safely and precisely at the site. The benefits of the telescopic crawler crane really come into their own on these tasks. The SENNEBOGEN 683 is ideal for safely lifting, transporting and positioning these heavy loads. The compact and extremely robust construction also offers the highest possible flexibility on site. The crawler chassis means that the crane is also ready

for use quickly even on difficult terrain and under extreme conditions and easy to manoeuvre in the tightest of spaces through simple crawler movements.

These benefits also apply for the SENNEBOGEN 3300 crawler crane with lattice boom and 125 t lifting capacity, which has recently been introduced at Matière especially for building heavy metal bridges.

The two new SENNEBOGEN machines are a key component on construction sites at Matière. The outstanding service and consultation from SYGMAT as sales and service partner are therefore key factors which are greatly valued by Philippe Matière and his employees.

Sales Partner: SYGMAT



The 3300 crawler crane at Matière is especially for building heavy metal bridges.



11 SENNEBOGEN machines guarantee efficient port materials handling

MMK-Atakas port is a joint venture between the Russian steel giant MMK Magnitogorsk Iron & Steel Works and the Turkish Atakas Group. For the new port in Iskenderun, one of the major port cities in Turkey, powerful and efficient machines were needed offering the highest availability for material handling. With SENNEBOGEN as manufacturer and FORSEN Machinery Services & Trading INC. as long-standing and highly experienced distribution and service partner on site, the port operator found the best possible team for his requirements.

A total of eleven SENNEBOGEN machines with operating weights of between 45 and 250 t are used mainly for scrap handling tasks and also supply material to the steel works based at the port. But the green machine fleet also handles other goods quickly and economically. Two 6180 harbour mobile cranes (one electro), two 880 EQ (one electro), one 870, five 835 and a 305 Multihandler are currently in use at the site. Equipped with scrap metal grabs between 1.2 m³ and 12 m³, chamshell grabs and hooks, the machines are extremely flexible and meet all requirements in the field of port materials handling. Each day not less than 14,000 t material from ships of up to 60,000 dwt (panamax size) are

unloaded and around 20,000 t are loaded at MMK-Atakas port.

The modular structure means that the SENNEBOGEN machines can be adapted individually to the ship sizes and requirements on site. Specific solutions made up of the sub-assemblies undercarriage, pylon, cab, equipment and grabs ensure effective processes and reduce demurrage significantly. The combination of high availability, handling speed, economy and customer-specific adjustments have ensured a high level of satisfaction with the port operator.

Sales Partner: FORSEN Machinery Services & Trading INC.



A total of eleven SENNEBOGEN machines with operating weights of up to 250 t are the green machine fleet at MMK-Atakas. Due to the modular structure the SENNEBOGEN machines can be adapted individually to the ship sizes and requirements on site. Each day not less than 14,000 t material from ships are unloaded and around 20,000 t are loaded.



The SENNEBOGEN Pte. Ltd. is now well-established. In the last few months, numerous customer contacts were made, many conversations have been held and sales success achieved. Manager Director Roberto Bencina (on the left) and Sales Manager Marco Burgmer are proud of the new office and look forward to continued success in this strongly-growing region. Sales and service partners, as well as end customers in the Asia-Pacific region from India to Japan and from China to New Zealand will be covered from Singapore. SENNEBOGEN is also well-represented in the demanding special foundation segment with its heavy duty cycle cranes.



690 successful in Singapore at TUKSU Engineering & Construction Ltd.

Heavy duty cycle crawler cranes from SENNEBOGEN have been used extremely successfully all over the world and in a wide variety of fields for over 50 years. As a result of extensive expertise and experience, these high-performance machines stand for maximum availability, stability and durability.

Those responsible at TUKSU Engineering & Construction Ltd. know this as well. The Company is using a SENNEBOGEN 690 HD in a large building project in Singapore with a 15 t diaphragm wall grabber. Specifically, it concerns the extension and the expansion of the MRT Downtown Line 2. "SENNEBOGEN is well-known on the market for its heavy duty cycle crawler cranes and, with the 690, we have exactly the right machine for this demanding work" notes Son Toung, Manager of the machine park. With a load capacity of 90 t, a 447 kW diesel engine and an extremely robust construction, the 690 can meet the toughest requirements. The duty cycle crawler crane product range from SENNEBOGEN includes 10 models with loads of 20 – 200 t and engine power of 119 – 708 kW.

Sales Partner: Hae Chun Trading Co., Ltd.

JOB SITE REPORTS GREEN LINE

3 SENNEBOGEN 850 Mobile Special in coal handling



From the left: Alexey Spitsyn (Chief of the Mechanical Department), Viktor Miroshnichenko (Deputy Chief Engineer for Mechanisation), Yuriy Fedayev (Chief Mechanic of Port), Alexander Aumüller (SENNEBOGEN Area Sales Manager), Sergey Marin (Head of Port Equipment Department).



Meeting requirements in the harbour perfectly – the three new SENNEBOGEN 850s in the Sea Trade Port of Yuzhy/Ukraine.

Pier Number 9 – that's where the three new SENNEBOGEN 850 Mobile work, in the Sea Trade Port of Yuzhy/Ukraine. With a water depth of up to 15 m, this is the largest harbour in the Ukraine and serves ships of up to Capesize.

A large part of the 10 to 12 million tons that are annually handled here is coal. This is loaded onto wagons by the SENNEBOGEN 850s.

The harbour is steadily being expanded and glitters with modern equipment – the new 850's fit perfectly into the picture. High-performance and dependable, they perform their task perfectly and can be used quickly and flexibly in the entire harbour.

Sales Partner: Universal Service

2 SENNEBOGEN 870 Crawler Special in Vladivostok



The Vladivostok Commercial Seaport is well-equipped for further growth with the two new 870 R Special.

Vladivostok is Russia's most important Pacific port. The Vladivostok Commercial Seaport is one of the largest harbours in the region. Around 3,500 employees handle up to 7 million tons of coal, steel, scrap and other goods a year here. In 2010, the general cargo increased by around 32 % and for 2011, just as clear an increase in throughput is expected. The harbour is Russia's hub for the Far East and offers enormous potential for the future.

Both SENNEBOGEN 870 Crawler Special are employed solely for coal handling. Every day, wagons are unloaded here and coal shifted to the storage depot. Equipped with a 21 m banana boom, 4.5 m³ clamshell grab and a 1 m pylon, both machines operate continuously.

The modular construction of the machines meant that they could be ideally configured to the needs of the harbour, to the great satisfaction of Chief Engineer Yuri Pirozhenko.

Sales Partner: Kwintmadi



From the left: Alexander Aumüller (SENNEBOGEN Area Sales Manager), Yuri Pirozhenko (Chief Engineer), Mikhail Chizhnikov (1st Deputy Director-General), Andrey L. Chubukov (Sales Manager Port Equipment Kwintmadi).

SENNEBOGEN 818 makes plenty of timber



At GER Umweltschutz GmbH the SENNEBOGEN 818 is used to supply a wood shredder with 60 t wood per hour – often for 16 hours each day in two-shift operation.

GER-Umweltschutz GmbH is a specialist waste disposal company with headquarters in Grevesmühlen and active mainly in the north west of Mecklenburg-Vorpommern. GER containers can be found on practically every construction site in the region. Since July 2010, a new SENNEBOGEN 818 has joined the existing team comprising a SENNEBOGEN 305 and 821.

The 818 is used for a variety of different tasks on the recycling park in Grevesmühlen. The compact machine is mainly used to supply a wood shredder with 60 t wood per hour, often for 16 hours each day in two-shift operation. The shredded wood is then loaded onto walking floor vehicles or container trains with the 818. For this task, the machine is equipped with a 400 l orange

peel grab, which can be opened easily in the trailer or container without damaging the walls. Sorting commercial waste into material groups is another major application area for the SENNEBOGEN 818.

The elevating multicab comfort cab can be raised to a viewing height of 4.8 m and puts the driver right at the heart of things, providing an outstanding view of the working area through the large window areas and the window in the floor. With an operating weight of just 19.5 t and a large number of constructional details, the new 818 is the ideal standard machine for use in the recycling industry.

The new 818 is operated in conjunction with the SENNEBOGEN 821, which is also used



for shredder tasks, and the 305 which uses fork lifts to load logs onto a wood splitting machine for making firewood.

» STATEMENT

"We are very happy with the machine. It is compact, agile and powerful – just the right size for our needs. We have noticed during everyday work that this machine is optimally designed for use as a sorting and loading machine. Simple operation is just as important to us as powerful movements – the correct power is particularly important when feeding 60 t per hour to the shredder."

Ulrich Karge, operations manager

Show the flag!

Brett Hall is the proud owner of Wellington Scrap Metals and a convinced SENNEBOGEN customer.

He's so satisfied with the 821 Mobile on his site that he ordered another one – and that's not all.



Brett Hall is showing the flag for SENNEBOGEN. On his private plot of land, a SENNEBOGEN flag blows in the Australian wind – a really great customer!



GREEN LINE – RENEWABLE ENERGY – THE MARKET TREND

SENNEBOGEN 718: Effective fuel wood harvest



Very economical fuel wood harvest with the Bracke C16 felling head.

The Revolution in Fuel Wood Harvest & Landscape Conservation

With the new SENNEBOGEN 718, the family company from Straubing has once again demonstrated the concept of "Leading through innovation". The new 718 is a unique machine on the market for fuel wood harvesting and landscape conservation. The overall concept impresses with the elevating multicab comfort cab which can be raised to a viewing height of 4.8 m, a special boom system with a 13 m reach and 1.6 t load, as well as attachments specially designed to suit the device.

The development of the SENNEBOGEN 718 was inspired by legislation. Wood for fuel has grown immensely in significance in light of the Renewable Energies Act (EEG). Used in conjunction with the Bracke C16 felling head, the SENNEBOGEN 718 is the ideal machine for ensuring extremely economic fuel wood harvesting.

But the machine has even more to offer – via a hydraulic quick-change system, it is possible to switch extremely quickly between felling head, harvester heads, timber grabs and felling grabs etc. The pressure

control for the relevant attachments is activated via the on-board software and the hydraulics system controlled accordingly. The extremely stable boom made of fine-grain steel was developed specifically for the requirements of the relevant applications with different attachments. The hydraulic system and hose routing have been adapted and the boom in the jib helps achieve the unique reach of 13 m with 1.6 t load. This enables safety distances to be significantly reduced when felling.

This makes the SENNEBOGEN 718 a multifunctional and highly flexible machine with a wide range of uses. Whether landscape conservation, municipal services, embankment restoration, river bank maintenance, problematic felling, cutting structure gauges or tree maintenance – the machine can be used all year round.

The compact dimensions with a width of 2.58 m, a length of 4.74 m and a 2.3 m rear end radius mean that the machine can also be used in even the most confined spaces. With an operating weight of just 19.5 t and wide single pneumatic tyres, the machine can be driven carefully on forest roads or green areas. The weight and dimensions also make transportation easy and relatively cheap.



Due to the hydraulic quick-change system the SENNEBOGEN 718 is a multifunctional and highly flexible machine with a wide range of uses.



The SENNEBOGEN 718 offers a special boom system with 13 m reach and 1.6 t load.

The multicab comfort cab can be elevated to a viewing height of 4.8 m and offers the best overview and maximum safety for all tasks. The raised position of the driver is a particular advantage for construction site boundaries, slopes and during work over dykes or in ditches.

SENNEBOGEN is a traditional manufacturer in the fields of lifting technology and material handling and delivers robust construction, manageable technology without over-engineering and the highest possible serviceability – and this is also reflected in the new SENNEBOGEN 718. It is an extremely economical machine which is unique on the market. **Sales Partner: Schlieper für Landmaschinen**



The raised position of the driver is a particular advantage for construction site boundaries and during work over dykes or in ditches.

310 Multiloader



Raised to over 5 m, the elevating cab...

SENNEBOGEN 310 Multiloader: Powerful – Compact – Versatile

The new SENNEBOGEN 310 is the perfect combination of wheel loader and telescopic handler. With an operating weight of 19.5 t and extremely robust design, the SENNEBOGEN 310 is perfectly equipped to meet even the hardest of challenges. The hydraulic quick change system makes the machine extremely flexible and perfectly suited for use with the relevant attachments, from earth bucket, bulk goods bucket, rehand bucket for light material and lifting forks right through to working platforms. With a maximum load of 10 t, the versatility of the 310 Multiloader is immense, ranging from the recycling industry, compost and biomass works, ports and warehouses right through to the agricultural sector.



...for a better overview and more safety.

The telescopic boom can reach heights of up to 9.3 m, which is extremely useful for loading HGVs and any activity where goods have to be stacked high or heaped together. A unique feature of this device class is the luxury elevating cab which can be raised to over 5 metres. The extremely compact dimensions combined with the four-wheel drive offer outstanding manoeuvrability and flexibility.

A powerful state-of-the-art 144 kW diesel engine, 270 l/min hydraulic pump and a large 380 l fuel tank guarantee optimal operation, as well as precise and smooth operation.



9.3 m lifting height and a max. load of 10 t – the SENNEBOGEN 310 Multiloader convinced in practical operation.

310 MULTILOADER SPECIAL

SENNEBOGEN 310 and 305 at one of the world's largest biogas plants



Superior view when filling the feeder thanks to the elevating cab.

The biogas plant of the AGRIDEA BioPower GmbH, a Weltec-Biopower subsidiary located in the German town of Könnern in Saxony-Anhalt, is one of the largest biogas plants worldwide with a downstream gas feed into the public network.

The plant has been in operation since September 2009 and produces 15 million standard cubic metres of biomethane in natural gas quality annually. This amount is sufficient to supply around 10,000 households with heat and electricity.

The renewable energy source is around 120,000 t of raw materials and sugar beet press chips that are distributed and processed a year in 16 fermenting lines. The SENNEBOGEN 310 Multiloader and the SENNEBOGEN 305 are the key machines in this important task.

The total of 16 feeders must be provided with about 450 t of substrates a day. The material is broken out of the silage stock using the 310 and is transported with the 7 m³ light goods bucket to the feeder stations, which can be up to 4 m high. The distance travelled is between 100 and 400 m with around 2.5 t in the bucket. The emptying height and dosage accuracy are very important because the feeders are electronically monitored and must be filled with an exactly defined quantity. The SENNEBOGEN 310 and the 305 are fitted with telescopic booms and elevating cabs and are the ideal machines for this purpose. In addition, the robust design and long-lasting

construction of the machines under extreme conditions quickly pays off. This is the opinion of management at the Könnern biogas plant. The new SENNEBOGEN distribution and service partner, **Schlieper für Landmaschinen GmbH**, is responsible for the outstanding consulting and care onsite.



Around 450 t of substrates are distributed to the 16 feeders daily using the SENNEBOGEN 310 and 305.

SENNEBOGEN 310 - more efficiency in the aluminium plant



Alloy wheel rims, window profiles, aluminium cans and much more are stacked high in the outdoor site and halls at Hammerer Aluminium Industrie (HAI) in beautiful Ranshofen/Austria. Extrusion billets are made from scrap aluminium, which are sold on or processed into all kinds of profiles in the company's own pressing plant.



The space above costs nothing! For high storage of delivered materials, the 310 has a clear advantage!

Large numbers of trucks deliver tons of new material each day. This is where the new SENNEBOGEN 310 Multiloader comes into play. The telescopic boom, which can be extended by over 9 m, enables the SENNEBOGEN 310 to heap up unloaded material to the relevant height - in contrast to wheel loaders. So a lot more material can be stored in the same space.

The main deciding factor for the management at HAI was the safe and rapid truck loading achieved with the SENNEBOGEN 310. In the past, trucks were loaded with shredded material using wheel loaders via a ramp.

"We have dismantled the ramp already. We can now load the trucks directly with the 310", states driver Ernst Pöchhacker. **Sales Partner: IBS GmbH, Austrian Office**



Convenient truck loading due to a cab that elevates to a viewing height of 5 m.

310 Multiloader in extreme use in waste management



In use 22 hours a day - the 310 is used under extreme conditions in the loading halls for surrogate fuels.

Here at the ROMONTA Reststoffverwertungsgesellschaft mbH (a waste recycling company), a SENNEBOGEN 310 Multiloader has been in continuous use since April of this year for 22 hours a day. ROMONTA is

the world's largest producer of raw montan wax. The fossilized wax is extracted from the bitumen-rich brown coal of the company's own open-cast mine. In recent years, the company has also established itself as a service provider for the processing and thermal utilisation of communal refuse. This is where the SENNEBOGEN 310 comes into play. It is used under extreme conditions in the loading halls for surrogate fuels.

Daily, the 310 Multiloader handles around 600 t of surrogate fuels from the truck tipping sites and piles these to a height of 6 to 10 metres while they await utilisation. This does not present a problem due to the telescopic boom of over 9 metres in length. Utilising the powerful machine, around 16 t of surrogate fuels for the charging plant are transported per hour with a 4 m³ loading

shovel. The daily tasks of the 310 also include the loading of around 150 t of lump slag onto trucks. Here in particular - but also in all other work - the elevating cab, which can be raised to a visible height of 5 metres, is a major advantage and an important safety aspect.



The four-wheel drive, coupled with three different types of steering, offer the necessary flexibility and manoeuvrability in the sometimes tight working areas. **Sales Partner: Tecklenborg Baumaschinen**

STATEMENT

"SENNEBOGEN impressed us with the technical concept of the 310, consisting of wheel loader and telescopic handler, and with its service. The 310 is in extreme use here, and is an absolute key machine. After more than 3,700 hours of operation, I can say that we made exactly the right decision with this machine."

Wolfgang Pfaller, Managing Director
ROMONTA Reststoffverwertungs GmbH

ELECTRIC MACHINES ADVANCE FURTHER



SENNEBOGEN 821 impresses with an electric motor in old cable recycling



Quietly and powerful – up to 40 t of old cables are handled each day with the SENNEBOGEN 821 Electro.

Around 140,000 t old cables containing valuable metals and plastics are processed in Germany each year. Metallverwertung München (MVM) specialises in processing old cables.

With a stationary electric SENNEBOGEN 821 as key machine, the different cables are pre-sort-ed and then sent to a pre-shredder. The 821 is optimally positioned on a 4-point underframe between the mountains of cables and the shredder. Between 30 t and 40 t of old cables are processed each day in 1 ½ shift operation – around 10,000 t are pro-cessed each year. In leaving the pre-shredder, the cables are fed to the cable dismantling plant in two

further steps. At the end of the process, the raw materials are extracted on the separating table, which can either be sold on or made into new products during further processing. These new products include copper in various specifications, as well as plastics.

With its 11 m reach and a special 320 l orange peel grab, the SENNEBOGEN 821 achieves an optimal action radius and the manoeuvrability required at the site. Driver Frank Beier is also impressed by the benefits of the 75 kW electric engine. The fuelling time is also removed completely with an electric engine, the service life of the hydraulic components is greatly increased and the



First step is sorting before shredding the around 10,000 t old cables a year at MVM München.

service costs noticeably reduced. An additional SENNEBOGEN 821 with diesel engine is used for all other material

Service Partner:
Fischer und Schweiger GmbH

» STATEMENT

"The decision in favour of a new machine with electric engine was made by one of my colleague who operates an electric machine. As SENNEBOGEN is the leading provider in this field and we were already using a 821 with diesel engine, the decision was easy."

Anton Dapont, manager at MVM



» STATEMENT

"The machine runs very quietly and offers extremely precise controlling – it is very pleasant to work with."

Frank Beier, Driver

SENNEBOGEN 825 Electro for increased performance in raw material handling



At bauma 2010, the SENNEBOGEN 825 with electric motor represented SENNEBOGEN's position as market leader in the field of electric machines which have been realised successfully and tailored to specific customer requirements over the past few years.

The company's decades of experience in electro-hydraulic drive systems and the modular construction of the machines also impressed customer Kemifloc from the Czech Republic. Kemifloc is a leading manufacturer in the field of water chemistry for water and wastewater treatment and belongs to the Finnish company Kemira. The SENNEBOGEN 825 Electro is used at the headquarters in Prerov and has a clear goal. The machine must handle 100,000 tons of iron vitriol per year with the 1 m³ grab. The 825 never stops working – it runs 24 hours each day, which is easily mastered with the electro-hydraulic drive, as it never has to be refuelled. A 2.3 m pylon ensures optimal overview, enabling the driver to work safely and effectively in the tight

spaces and above the pipework. The 13 m equipment is also optimally adapted to suit the relevant conditions and requirements at the site.

» STATEMENTS

"We thought carefully about this investment and considered the various options. SENNEBOGEN offered us the best solution. Thanks to the technical consultation provided by the manufacturer and the dealer SILSCRAP, we now have an excellent solution with the 825 Electro", states **Dusan Ponizil, Technical Director** at Kemifloc (left).

"The SENNEBOGEN 825 at Kemifloc is an extremely important reference for us both in the important market segment of preliminary stage industry, as well as for electro-hydraulic drive systems", states **Jiri Kucera, Sales Manager** at SILSCRAP (right).



AMERICA SPECIAL

First SENNEBOGEN 880 EQ in America

The first SENNEBOGEN 880 EQ was put into service in November 2009 at Midwest Generation's Crawford Station in Chicago. With an operating weight of 220 t, the SENNEBOGEN 880 EQ is the largest material handling machine in North America.

In 2-shift operation, seven days a week, coal is unloaded from ships utilizing the SENNEBOGEN 880 EQ and further transported via a hopper and a conveyor belt to the adjacent electricity generation station. With its range of 30 m, a 9 m³ clamshell grab and a 5 m pylon, the 880 EQ is optimally equipped for this use.



(From left to right) Constantino Lannes, President of SENNEBOGEN LLC; Erich Sennebogen, Executive Manager of SENNEBOGEN GmbH; Brenda Brock, Harbour Manager at Midwest Generation and Tom Ellis, CEO of Howell Tractor.

"There are some machines on the market that have a lot of electronics on board. We did not want to take this route and con-

sciously decided in favour of the SENNEBOGEN concept. For us, maximum availability and reliability, combined with easy-to-understand technology were the decisive criteria" notes Cliff Maltese of Midwest Generation. The SENNEBOGEN 880 EQ has in the meantime far exceeded 3,500 hours of operation without a minute extraordinary downtime and confirms yet again the advantages of the SENNEBOGEN philosophy.

Especially emphasized was the professional and intensive support from **Howell Tractor**, the local SENNEBOGEN sales and service partner. From advising on assembly through to service – all from a single source.



Coal is unloaded from ships seven days a week using the SENNEBOGEN 880 EQ. Highest reliability and availability in over 3,500 hours of operation – impressive performance at Midwest Generation.

New SENNEBOGEN 830 M-T – for the challenges of timber handling with a trailer

At Ward Timber in Linden, Texas, the highest performance possible is expected from the machines.

Two SENNEBOGEN 830 M-Ts are in operation now. One Machine for the unloading, sorting and storing of the round timber trunks. The second 830 M-T supplies the sawmill. Both machines are equipped with trailers and transport 30 to 35 t of materials per trip.

The 830 M-T is constructed extremely robustly as driving machines with trailers and are equipped with heavy duty undercarriage, very large tyres and all-wheel drives. **Service Partner: Waukesha Pearce Inc.**



Operation Example 830 M-T

850 mobile

Optimised handling of steel piping

Gary Boczar, Purchasing Manager at the Steel Pipe Corporation (BSPC), was in search of a solution that would let him stack the steel pipes that the company produces higher and then reload these onto trucks without damage to the material. He went through his requirements with Chuck Tibbets of the SENNEBOGEN sales and service partner **Tractor & Equipment Company (TEC)** and was offered a solution tailored specifically to what he needed. The SENNEBOGEN 850 Mobile, in combination with a vacuum lifting unit, is the new machine that is now key to the storing and loading of the steel pipes, which can weigh up to 11 t.



"This machine has considerably increased our capacity and the flexibility at the yard – that's why we now have three of these machines in use. This solution not only saves us enormous amounts of money, it gives us a marked improvement in the handling of the pipes" notes Gary Boczar.

SENNEBOGEN 830 crawler crane – a dependable partner for the wood processing industry



Here at West Point Chips in Virginia 300 truckloads of hardwood and softwood are delivered and processed every day. As a service provider in the area of wood processing, the handling of timber is a core task for West Point Chips.

The new SENNEBOGEN 830 crawler unloads timber from trucks 18 hours per day and delivers this to the chipping mill. 1.2 million tons of chips are produced here annually and are fed to the adjacent power plant for energy production.

The first SENNEBOGEN 830 R was bought in 2006 and was replaced after 17,000 hours of operation by a new model. "The decision was easy for us – we were so happy with the first machine during the entire period that we decided to again take an 830. We appreciate the robust construction and the easy-to-understand technology. These are real working machines – exactly what we need here" says Chad Cowart, Operations Manager at West Point Chips. **Service Partner: Atlantic Equipment and Supply Inc.**

Teamwork is the key to success



Awards were presented to the most successful sales and service partners at the 2010 ISRI show in San Diego.

The top dealers for 2009 were:

- **Howell Tractor & Equipment LLC (Gary, Indiana)**
- **Bramco LLC (Louisville, Kentucky)**
- **Atlantic Equipment & Supply (Hampton, Virginia)**
- **Gibson Machinery LLC (Cleveland, Ohio)**

New members in the steadily growing family of the SENNEBOGEN LLC sales and service partner are the firms:

Hydromec Inc. (Dolbeau-Mistassini, Canada), ASC Construction Equipment USA Inc. (Charlotte, North Carolina), Bane Machinery Inc. (Dallas, Texas), Lyle Machinery (Richland, Mississippi), GS Equipment Company (Tampa, Florida), Bejac Corporation (Placentia, California), Strongco (Mississauga, Canada), Leslie Equipment (Cowen, West Virginia), Mijack Canada (Leduc, Canada).

INTERNAL

22,222nd machine from the SENNEBOGEN Wackersdorf factory



The SENNEBOGEN Wackersdorf factory personnel celebrate the 22,222nd machine to be produced in Wackersdorf together with the management team.

Since laying of the foundation stone for the SENNEBOGEN assembly work in Wackersdorf in September 1990, 22,222 machines have been produced up to July of this year. An impressive number that says a lot for the rationalised and perfected manufacturing of these high-quality machines. Around 150 highly motivated professionals and specialists work on material handling machines on a floor area of approximately 160,000 m².

STATEMENT

"We are very proud of the numbers achieved and our ISO certification. Our customers can rely 100% on the optimal manufacturing and the resulting high-quality machines."

Alexander Scherer, Factory Manager

Running Team



The newly-founded SENNEBOGEN Running Team successfully celebrated its premiere at the Regensburg Landkreislauf event on the 18th of September. In the category of the men's adult teams, they achieved a very good 33rd place in a field that sported a total of 68 teams. The course, about 75 kilometres long, was mastered in a time of 06:44:51.



A sporting team: Thomas Haibel, Tommy Füllner, Benjamin Blümel, Martina Hekler, Tobias Greisinger, Linda Greisinger, Markus Kölbl, Nadine Bösl, Uwe Hammer and Manuel Kersten (from left to right).

Office in St. Petersburg



With its newly-opened Representative Office in St. Petersburg, SENNEBOGEN underlines the importance of the positively developing markets in Russia and the Commonwealth of Independent States (CIS).

The office is in the modern office complex Pulkovo Sky, optimally situated from the transportation perspective. Alexander Borkovkin is the experienced and competent SENNEBOGEN contact person and will noticeably improve the direct support for existing sales and service partners and key accounts.

Straubing Tigers visit SENNEBOGEN



The television station SKY found out on the spot about the special connection between the Straubing Tigers and SENNEBOGEN. Three Tigers players, together with their manager Gabi Sennebogen, visited the new Works 2 of the SENNEBOGEN Maschinenfabrik GmbH and were impressed by the production facilities as well as the machines that are produced in Straubing.

The Straubing Tigers have, in the course of the club's history, firmly established themselves in the DEL, the German ice hockey champions' league. Healthy and continuous growth driven by one's own capabilities is just as important to SENNEBOGEN as to the Straubing Tigers.

The management, in both cases under the name Sennebogen, bears special responsibility for solidly managing the business. Gabi Sennebogen is the only woman at the top of the DEL ice hockey league and maintains her position extraordinarily successfully in this man's world.



Go for Green - the Straubing Tigers in action.



Taking the tour with the SKY camera team.

Tribute



Erich Sennebogen senior (middle) and Erich Sennebogen junior (2nd from right) receive their awards from President Andreas Amann (2nd from left), Vice-President Dr. Martin Kreuzer (left) and Jürgen Reichardt (right), Member of the Board of the Lions Club.

Lions Club honours Erich Sennebogen senior

The Lions Club has awarded its Blue Ribbon Gold Medal for Outstanding Services to Erich Sennebogen senior.

President Andreas Amann pointed out that this honour has never been awarded up until now and that it represents a special tribute to the services of Erich Sennebogen sen.

The company's founder expressed his delight and thanks at being awarded this distinction. He made use of the opportunity to refer to the aims of the Lions Club, which is present and ready to act with commitment whenever help is needed. Erich Sennebogen jun. was also honoured for his support with the Medal of Merit.

Walter Sennebogen wins old-timer rally in Straubing



The Executive Classic, the traditional old-timer rally held in the lovely surroundings of the Straubing region, was held for the 6th time on the 10th of July 2010. On the invitation of the law firm of Weiss.Walter.Fischer-Zernin (Munich), and organized by Dr. Hans Zink (Straubing) and his team, 28 driver teams competed for victory in beautiful

historic cars. The goal for the teams was to keep to the prescribed speed per section as exactly as possible, this being checked to the second. In the end, the Walter Sennebogen team, with daughter Victoria as co-pilot, won the rally in a 1937 open Bentley 4 ¼ litre, one of the oldest vehicles participating in the rally.



The tombola held as part of the award ceremony, as well as additional donations by the participants, all went to a good cause. The recipient was the International Ophthalmological Fellowship Foundation, which has made possible and also financed 3 months of training at a modern eye clinic for young ophthalmologists from the Third World.

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SENNEBOGEN Maschinenfabrik GmbH
Hebbelstr. 30, 94315 Straubing, Germany
Phone +49 94 21/540-0
Fax +49 94 21/43882
marketing@sennebogen.de

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