THE AMMANN GROUP MAGAZINE

THE ABG PAVING LINE

Delivering fast starts and perfect finishes

A GREEN PATH FORWARD
Ammann's new sustainable action plan
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RAP % UP, COSTS DOWN
Ammann plant reduces material usage by 55 %
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E-DRIVES THRIVING
Electric machines in action
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ARX 10.1 ROLLER
Packing punch with petrol power
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A RENEWABLE SOURCE

The Ammann wood dust burner is growing in popularity. It's easy to see why:

- Wood dust can be locally sourced, reducing transport costs.
- It's a renewable energy source.
- The burner transforms a waste material into fuel.
- It's a proven process, with millions of tonnes of mix produced by asphalt plants equipped with Ammann wood dust burners.

The Ammann wood dust burner can be retrofitted on plants provided by Ammann or competitive manufacturers.

For additional product information and services please visit: **www.ammann.com**

AMMANN

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ZEROING IN ON SUSTAINABILITY

DEAR CUSTOMERS

The history of Ammann is intertwined with green road building.

Way back in 1908, Ammann was granted a patent for a macadam machine, which was essentially a combination of an asphalt-mixing plant and a paver. The machine used what was a revolutionary technology at the time to eliminate an emerging health hazard: dust created by automobiles. Ammann provided a remedy, and our sustainability efforts have continued since.

Now, more than a century later, Ammann is coordinating our green endeavours. "A Green Path Forward" is the road map for our cumulative eco-initiatives.

You can read about the "path" in the pages of this magazine. Yes, more must be done... more must always be done. However, the purpose of this plan is to clarify our commitment to environmentally friendly road construction practices around the world.

Helping customers find solutions that are sustainable, and profitable, has been our passion for six generations. It is our promise for the future, too.

In other news, there is a great deal of excitement regarding the acquisition of the ABG Paver line from Volvo CE.

The deal was finalised on June 1, and ABG is now officially part of the Ammann family. We look forward to continuing to build this highly regarded product line!

Hans-Christian Schneider
CEO Ammann Group

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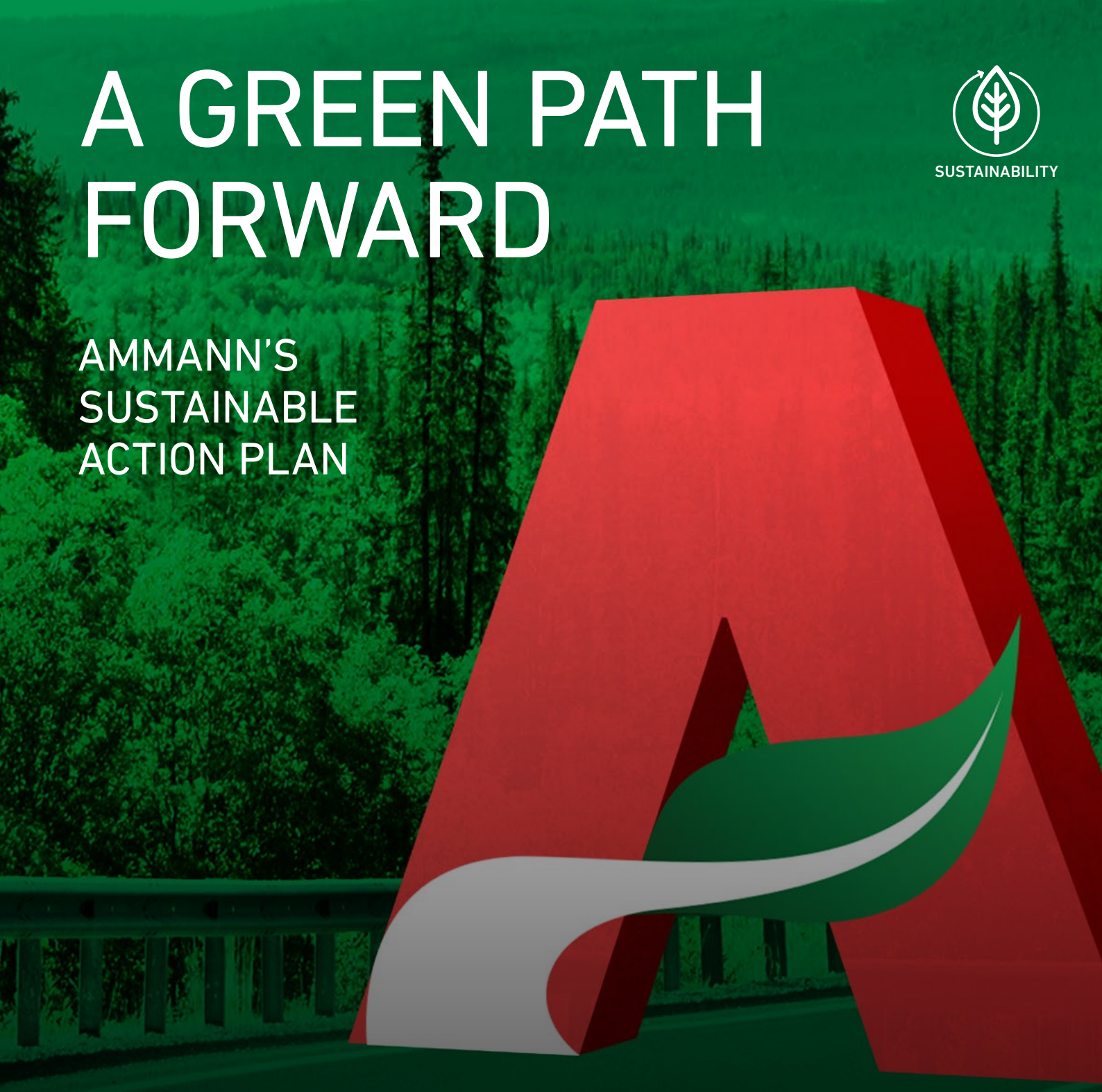
A GREEN PATH FORWARD

SUSTAINABILITY

AMMANN'S SUSTAINABLE ACTION PLAN



Ammann continues to promote sustainability, from its manufacturing practices to the environmental friendliness built into its products. To that end, Ammann has unveiled its new sustainable action plan, "A Green Path Forward."

Ammann has incorporated many sustainability efforts across its plants and machines. The products are very diverse, from light equipment compactors, such as rammers and vibratory plates, to asphalt-mixing plants that utilise high volumes of RAP while producing hundreds of tonnes of mix per hour.

Despite their diversity, these offerings reflect a commitment to key environmental initiatives. A Green Path Forward brings all these efforts under a single umbrella. It guides each Ammann division to become the most sustainable operation it can be by diligently taking the following five actions.

A Green Path Forward

INNOVATE

We drive sustainable improvements through advanced technologies and processes. These innovations lower emissions, extend component life and minimise the usage of fluids, fuels and natural resources.

PARTNER

We engage outside groups and follow established standards to help gauge our progress and identify opportunities. We work with customers, vendors and suppliers to promote sustainability throughout the supply chain.

PERFORM

We understand that exceptional performance creates environmental gains. It enables work to be done more quickly, reducing the resources allocated to a project.

PROTECT

We strive to ensure the safety of those who build and use our products. We preserve the world around us by minimising volatile organic compounds and CO_2 emissions. We also extend product life to leverage the valuable resources used in their manufacturing, and to lessen pressure on landfills.

RECYCLE

We engineer our plants and machines to utilise recycled materials.

SUSTAINABLE PLANTS AND MACHINES

Ammann has continually promoted sustainability across its plants and machines divisions. "A Green Path Forward" is a furtherance of some key efforts.

PLANTS

The Green Plant Initiative is the name Ammann has given to a number of sustainable asphalt production products.

The H2 burner can utilize 100 % hydrogen or other fuels. The VOC Reduction Device (VRD) filters emissions, including 70 % of the VOCs that can develop while recycling asphalt, and cleans itself; no new filters are required. Blue Smoke Treatment (BST) captures the blue smoke that can arise during truck loading.

Recycling is at the core of the Green Plant Initiative. The Ammann ACP ContiMix 2.0 can utilize up to 100 % RAP with the RAH100 dryer, or up to 50 % RAP with the second-generation RAH50. The Ammann ACP ContiHRT is a continuous plant that can produce mix consisting of up to 60 % RAP. The Ammann ABP HRT (High Recycling Technology) plant maximizes the use of RAP and is even capable of using discarded consumables, such as printer cartridge toner and tyres.

MACHINES

*e*Mission is an environmentally friendly solution integrated into new Ammann machines. It starts with reduced emissions – and incorporates efficiency, productivity and lower maintenance demands that make job sites healthier and business owners more profitable.

- **Emissions reduction:** Lowers levels of CO_2 and other particles;
- **Efficiency improvement:** Utilises digital technologies to enhance product performance and job site management;
- **Electrification:** Incorporates alternative power sources, including electricity today and other sources in the future.

ECODROP INITIATIVE

Another machines initiative effort, ECOdrop, starts by maximising engine efficiency, which trims both emissions and fuel costs. ECOdrop also involves reconfiguring key systems and components to minimise the operational fluids required to run them. This results in lower costs for both acquisition and disposal of the fluids.

ECOdrop also incorporates alternative fuels, including hydrotreated vegetable oil (HVO). The fuel has been approved for use in all Ammann diesel-burning machines.

HVO reduces gas CO_2 emissions by up to 90 %, with no additional costs. It is a biofuel made from waste, such as animal fat or processed vegetable oils. It is classified as a renewable diesel and renowned for having a longer shelf life than other biodiesels.


H2 BURNER


BLUE SMOKE TREATMENT


ECO DROP INITIATIVE

MAKING PLANTS GREENER AND MORE PROFITABLE

AMMANN HAS INTRODUCED SEVERAL ASPHALT-MIXING PLANT SUSTAINABILITY ADVANCES IN JUST THE LAST FEW MONTHS

Marzio Ferrini, Ammann's Head of Product Marketing Plants played a key role in their development. He recently explained how these new items are not only making plants greener but businesses more profitable, too.

Can you describe some of the recent innovations Ammann has unveiled regarding asphalt-mixing plants?

Marzio Ferrini: *The three big announcements are the H2 hydrogen burner, VOC Reduction Device (VRD) and Blue Smoke Treatment (BST). These advances minimise emissions at the beginning, middle and end of the asphalt production process.*

I should state upfront… Ammann is very pleased with this progress, but we know more must be done. More must always be done.

Yet I also want to be clear that Ammann is not a newcomer to sustainability. We have been committed to green mix production for decades.

Can you tell me a bit more about the new burner?

MF: *The Ammann H2 burner employed at the beginning of production is capable of utilising 100 % hydrogen. It eliminates all CO_2 emissions associated with the burner.*

The performance of the H2 is comparable to a fossil-fuel-powered burner. It is easier to regulate, with better heat exchange in the dryer and an overall cleaner process. The H2 is capable of burning other fuels if desired.

What about the VOC Reduction Device?

MF: *The VRD, as we call it, provides sustainability during asphalt production. It's an advanced filtration system that significantly decreases volatile organic compounds (VOCs), odours and other organic carbon emissions.*

What makes the VRD unique is that the filter cleans itself – the only such filter on the market to do so. Neither time nor money is spent on filter replacements. Plant uptime is optimised as well.

You said that the VRD "significantly decreases" VOCs. Can you provide some details?

MF: *The VRD lowers total organic carbon (TOC), which contains VOCs, by as much as 70 % under common working conditions. Customers have been very impressed by the performance of the VRD because it improves plants without having to dismantle them.*

Where does Blue Smoke Treatment fit in?

MF: *Now we have moved to the end of the asphalt production process. BST dramatically minimises the emissions that result while loading asphalt mix onto trucks.*

It captures fumes that previously would have escaped during loading and redirects them to a multi-stage filtration system. The filters remove the oily particles, and the remaining gases are routed to the combustion chamber. This lowers costs because the captured air is already heated.

BST doesn't require costly confinement equipment and is inexpensive to operate, too.

Are these technologies available as retrofits?

MF: *Yes. All three can be specified during the purchase of a new plant or added as a retrofit. They are compatible with all asphalt-mixing plants on the market, regardless of the manufacturer.*

How do these introductions fit into A Green Path Forward, another Ammann sustainability initiative that is also featured in this edition of the magazine?

MF: *A Green Path Forward is the sweeping approach Ammann is taking to further sustainability regarding plants and machines.*

The technologies I have just described are part of the Green Plant Initiative, which is solely related to plants.

The gains are quite significant when you pair the Green Plant Initiative with others. For example, Ammann machines adhere to the eMission initiative. It includes reduced emissions and incorporates efficiency, productivity and lower maintenance demands that make job sites more eco-friendly.

In summary, those of us in the plants division are committed to making progress in our segment of the business. When you combine these advances with the gains made in other areas of Ammann, specifically machines, there is some real momentum being built.

The environmental advantages of these innovations are obvious. But you have also said they improve business opportunities. Can you explain?

MF: *It starts with efficiency. The H2 burner doesn't just reduce emissions, it typically lowers fuel costs, too.*

I referenced the VRD and its self-cleaning filters. That means no filter replacement costs, and no associated downtime, either.

BST reuses hot air, which cuts both fuel consumption and costs.

Another advantage of these innovations—one that isn't often considered—is a wider selection of location options. Businesses will be able to choose from more sites to locate their plants when they approach governing bodies with improved emissions numbers.

How are customers reacting?

MF: *Customers always want to do the right thing, and it's our job at Ammann to help them. We can't settle for coming up with new products and saying, "Here you are. Go use them." We have to make the technologies available through retrofits or provide them in new plants that are practical for customers.*

One example of such a plant is the Ammann ACP ContiMix 2.0. It includes new technologies, which is great, and adds value by combining batch and continuous processes in a single plant – a great feature for asphalt producers because of the flexibility it provides.

At Ammann, we never lose sight of the fact we have to offer customers solutions that help them make their businesses greener and more profitable.

ABA Unibatch

RAP

Ammann Foam

GCP IN HARMONY WITH THE ENVIRONMENT

MEXICAN COMPANY OPENS MOST ADVANCED ASPHALT SUSTAINABILITY OPERATION IN MEXICO BUSINESS TO UTILISE AMMANN ADVANCED RECYCLING PLANT

Road repair and resurfacing generates millions of tonnes of what many consider waste. It's not just the materials that are left behind, but the energy that was used to create them and the emissions that resulted during production.

Introducing sustainable practices into existing processes can be a challenge. We live in a world where something becomes obsolete as soon as it is produced. Many people and businesses give up on continuous improvement because of the challenges it brings.

The use of reclaimed asphalt pavement (RAP) is one of these challenges. Yet the sustainable opportunities that result are significant. Using RAP reduces the amount of new materials needed by about 55 %. Emissions are dramatically lowered, too.

The board of directors of Grupo Constructor Pirámide (GCP), a Mexican company with more than 50 years of experience in the construction sector, acquired an Ammann ABP 280 Universal Asphalt-Mixing Plant. The plant is unique in Latin America because of its ability to process large quantities of RAP with the help of its RAH60 dryer. The objective was clear: to technologically transform the asphalt-mixing production process.

GCP has always been committed to improving the quality of life in Mexico. This promise is delivered through the construction of high-quality infrastructure and the use of cutting-edge construction processes. Innovative equipment and highly trained workers are essential, too.

"We are convinced that we are taking the right path to modernize and transform the production of asphalt mix through innovation," said Mario Serrano García, Chairman of the Board of Directors of GCP. "We want the public and private sectors to promote and use sustainable asphalt mixes that are produced with new processes and technology that seek harmony with the environment and the urban surroundings."

"It reduces waste and ensures the quality and characteristics of the material," said Ricardo Galvis, Regional Manager at Ammann. "This is combined with the acquisition of a very modern and complete laboratory that is capable of carrying out all the necessary tests to guarantee the quality of their product."

This sustainable approach will bring significant benefits through lower energy consumption and reduced use of natural resources, including virgin aggregate and the associated quarrying.

Emissions are another key area of focus. With new technologies, it is possible to reduce the emission of CO_2, gases and particulates that impact the atmosphere.

"Our actions and guidelines revolve around sustainability, which is why we started the operation of the Ammann ABP 280 Universal plant," said Mr. Serrano.

The plant is located in the municipality of Atizapán de Zaragoza. It will use renewable solar energy and collect rainwater, which will be processed at a new treatment centre.

"This will make us the most sustainable asphalt plant in Mexico State," said Mr. Serrano.

GCP chose Ammann because the two companies have aligned values regarding technology and the important role innovation plays in sustainability.

"Ammann has provided technical support at every stage," Mr. Serrano said. "We are sure that any doubts that may arise, they will be willing to clarify. We all learn from each other."

Ammann's high recycling technology works by pre-heating the recycled material before adding it to the mixer.

"In the case of this specific plant, a parallel flow drying drum exclusively for the RAP, located in the upper part of the equipment, gently heats high percentages of reused material," said Gilvan Pereira, Managing Director of Ammann do Brasil. "This is done without the bitumen contained in the RAP losing its binding properties. The process reduces the need to overheat the virgin aggregate, complying with the existing asphalt mix production regulations."

The plant provides the production that GCP needs, despite being installed 2200 meters above sea level. "The equipment can produce up to 310 tons per hour, satisfying the company's demand and following the needs of adding high percentages of RAP to the mix," Gilvan added.

CONSTRUCTION TRANSPORT AND CONCRETE FILLING STATION

Concrete Mixing Plant

AMMANN ELBA: CONCRETE FILLING STATION FOR TOP-QUALITY CONCRETE IN GRÄFENBERG

High-quality concrete production on the premises of haulage company A. Heßler in Gräfenberg was a dusty, time-consuming and labour-intensive business. The new fully automatic CFS 30 SL Elba concrete mixing plant from Ammann changes all that.

A compact concrete plant – for the company's use and as a concrete filling station – has recently been installed on the industrial estate in Gräfenberg in Bavaria. The CFS 30 SL Elba concrete mixing plant from Ammann expands the product range of owner Alexander Heßler's haulage company that specialises in construction transport.

"I took a look at the plant during my visit to the bauma trade fair in October 2022 together with the customer advisor from BIV – a dealer for Ammann compaction equipment," said Alexander Heßler, owner of the haulage company A. Heßler from Gräfenberg, Bavaria. The continuous availability of concrete, even on Friday afternoons and Saturdays, was his main reason for choosing this concrete plant. "This shortens my distances immensely; it means no more lengthy transport of concrete for producing our own concrete Lego bricks," explained Heßler.

Until now, the production of concrete with a tractor pro mixer was not satisfactory. The manual addition of aggregates and bagged cement was very labour-intensive and dusty. "We were also only able to achieve consistently good concrete quality with great effort."

COMPACT, POWERFUL CONCRETE FILLING STATION

With the Concrete Filling Station CFS product series, Ammann Elba offers reliable and economical concrete mixing plants for use in the recycling, landscaping, concrete products and precast concrete sectors. In addition, these plants allow operators to supply small quantities of concrete to regional craft businesses.

Alexander Heßler had a look around the trade fair stand and, after extensive consultation, opted for the CFS 30 SL Elba system.

All components are weighed and dosed separately, and concrete production is controlled fully automatically.

The CEM 500 S mixer enables a high hourly output capacity of up to 30 m^3 and fast, homogenized mixing. Operation is simple. The concrete filling station can be operated intuitively via the S-Mix automatic control system with freely selectable recipes and production quantities using a touchscreen.

A pocket storage container for four aggregate types of 2.5 m^3 each is integrated for storing the aggregates, as well as dosing and weighing. The feeder lifts the aggregates to the mixer. The automatic water and additive dosing system ensures consistently good concrete quality. The cement weigher can be connected to two types of cement the cement is weighed separately and dosed directly into the mixer. This prevents the company's employees' exposure to dust emissions. In addition, an admixture dosing system for the production of concretes with special properties was integrated.

Overview of the newly installed Ammann CFS 30 SL Elba ready-mix concrete plant from A. Heßler. The plant is flexibly designed, allows special mixtures, and offers filling options for large and small concrete quantities.

The quality of the concrete produced corresponds exactly to the required specifications and the concrete output also fulfils the contractor's expectations. "Every beginning is difficult. The new technology demanded a lot from us," said Alexander Heßler. "The way of producing consistently good concrete to specified recipes without knowing the process of an automatically operating plant took some getting used to at first." However, with the support of the Ammann Elba service team and thanks to the excellent training, the handling became more and more routine.

Alexander Heßler is very satisfied. "The service, the advice from the Ammann employees and the product quality of my concrete are just right."

AMMANN DELIVERS MACHINE SUSTAINABILITY WITH EMISSION

AMMANN'S ENVIRONMENTALLY FRIENDLY SOLUTION FOR MACHINES, *e*MISSION, IS INTEGRATED INTO NEW AMMANN PRODUCTS

It starts with reduced emissions – and incorporates efficiency, productivity and lower maintenance demands that make job sites healthier and business owners more profitable.

- ***emissions reduction:***
  Lowers levels of CO_2 and other particles;
- ***efficiency improvement:***
  Utilises digital technologies to enhance product performance and job site management;
- ***electrification:***
  Incorporates alternative power sources, including electricity today and other sources in the future.

ECODROP INITIATIVE

Ammann has also taken efforts to incorporate sustainable improvements across our product line through the ECOdrop initiative, which falls under the eMission umbrella.

ECOdrop starts by maximising engine efficiency, which trims both emissions and fuel costs. ECOdrop also involves reconfiguring key systems and components to minimise the operational fluids required to run them. This results in lower costs for both acquisition and disposal of the fluids.

A closer look at one specific product, the Ammann ARS 70 Soil Compactor, highlights the key features and benefits. With ECOdrop, the ARS 70 has seen a reduction of:

- 22 % in fuel consumption;
- 26 % in the required hydraulic fluid;
- 10 % in the needed vibratory system fluid.

ECOdrop also incorporates alternative fuels, including hydrotreated vegetable oil (HVO). The fuel has been approved for use in all Ammann diesel-burning machines.

HVO reduces gas CO_2 emissions by up to 90 %, with no additional costs. It is a biofuel made from waste, such as animal fat or processed vegetable oils. It is classified as a renewable diesel and renowned for having a longer shelf life than other biodiesels.

Every 1000 litres of standard diesel fuel burned produces ca. 2640 kg of greenhouse gas CO_2, compared to just 260 kg of greenhouse gas CO_2 for every 1000 litres of HVO burned.

PROTECTING OPERATORS

The most important sustainability efforts are those that provide safety. All machines feature intuitive controls that help keep operators safe.

The standard guide handle on many Ammann plates is isolated to minimise hand-arm vibration (less than 2.5 m/s^2). The vibration levels are so low that safety codes do not require documentation of operator hours.

Virtual Showroom

EXTENDING MACHINE LIFE

Ammann machines are built with durable components that extend life, once again making the most of the resources used to manufacture them. Their advanced engineering also reduces the wear that can result from less efficient machines.

BUILT FOR RENTAL

Ammann machines are great fits for rental houses because of their intuitive control, extended maintenance intervals and performance.

Manufacturing machines that are desirable for rental fleets also advances sustainability. Contractors who rent machines can make the most of products that have already been manufactured. This reduces the use of raw materials and energy that would be required to produce new compactors.

Renting equipment also enables businesses to easily scale operations up or down, preventing them from purchasing equipment that might sit idle for extended periods.

E-DRIVE COMPACTION EQUIPMENT HELPS MAXIMISE PRESERVATION AT HISTORIC SITE

AMMANN'S ECOLOGICALLY SENSITIVE EQUIPMENT WAS A PERFECT MATCH ON A HISTORICALLY SENSITIVE JOB SITE IN THE CZECH REPUBLIC

The project included the reconstruction of a roadway and rehab of a historical centre in Nové Město nad Metují. Sensitive excavation was required in some areas, as the site included portions of the original county gate, which stood from the 16th century until 1874.

Archaeologists started the project by thoroughly examining the ancient fortification and roadway. The relics they unearthed were found along the gate and other portions of the road.

Prehistoric objects from the Bronze Age, around 1000 B.C., were discovered. The original site is thought to have been a fort. Ash fields were also present.

The archaeological excavation lasted a few weeks. Then it was time for roadbuilding. Many of the materials were retained to preserve the character of the location. This meant that compaction had to be delicate enough to protect the items, but powerful enough to ensure proper structure.

At work on the site was a series of e-drive compaction products from Ammann. The machines create no emissions at the job site and operate quietly, particularly important in sensitive urban settings.

Handling the heavier roadbuilding needs was the Ammann eARX 26-2 Light Tandem Roller with electric drive. The roller features a fully electric drive and vibration system that can operate for up to 18 hours – and sometimes beyond – without recharging.

A 40-mm, anti-vibration mat was placed in the road structure to help eliminate the transmission of vibration to the bedrock and rock mass.

The e-drive roller took on sub-base layers. Due to the sensitivity, the gravel was placed in two thinner layers and compacted independently. The roller was an ideal size given the width of the road, which is a single lane.

eMission

The Ammann eATR Rammer compacted base layers under paver stones and materials placed over utility lines. The Ammann eAPF Forward Moving Plate also compacted base, paver stones and near utilities, and also tackled granite blocks placed in stone rubble. The same battery pack powers both machines, providing convenience and promoting uptime.

The project brought both modernisation and preservation to the historical centre. Infrastructure was improved through the replacement of storm sewers and the installation of lighting and intelligent traffic lights. Widening the road and adding intelligent traffic lights improved traffic regulation.

Existing curbs were used to preserve the character of the site and to extend the life of existing materials. History was also captured in the use of paver blocks in the footpaths, which highlighted portions of the fortification and gate. Green areas were also added.

The project lasted more than three months.

ENGINES REQUIRE NO AFTER-TREATMENT

NEW AMMANN ROLLERS REDUCE OWNERSHIP COSTS

Ammann's new light tandem roller is petrol-powered and features side-free drums that enable compaction in the tightest job sites.

The Ammann ARX 10.1 StV utilises the Honda GX630 (15,5 kW / 21HP) petrol engine, which reduces ownership costs on a daily basis. It meets the latest EU Stage V/U.S. EPA Phase III emission regulations.

The engine is more compact than its diesel counterpart. The smaller size enables positioning that allows cooling from all sides, helping the machine to perform in hot ambient temperatures.

Beyond size, the use of petrol brings several other advantages:

- Petrol is generally less expensive, so there is likely a cost advantage with every filling of the tank;
- There is no need for a diesel particulate filter (DPF) and the cost and hassle that go with it;
- Maintenance of a petrol engine is less costly than maintenance of a diesel engine;
- Petrol is often more convenient for smaller construction companies and rental customers.

This all-new compactor is the first in a line of Ammann Light Tandem Rollers with petrol engines that meet EU Stage V and U.S. EPA Phase III emissions standards.

SIDE-FREE DRUMS

The Ammann ARX10.1 StV is the only machine on the market with uniquely designed drum consoles installed from a single side. This innovation is known as “side-free drums.”

The drums are support-free on the operator’s right side. This allows compaction work on the tightest of job sites. Drum working widths are 900mm (35,4 in) and drums are installed in-line.

MANY APPLICATIONS

The compactor is essential for use on small repair works in city centres, malls and business areas, cycle paths and other applications. Intuitive control and easy-to-explain operation benefit less experienced operators and those who rent the machine.

ADDITIONAL KEY FEATURES

A powerful hydraulic system is the core of the powertrain structure. Both drums are equipped with robust drive motors that bring exceptional traction, gradeability and speed. The motors are equipped with a negative parking brake mechanism that ensures secure parking when the engine is switched off.

The front drum is equipped with a vibratory system capable of delivering 16,4 kN at 76 Hz of compaction power, which is sufficient for a wide range of job sites. The rear drum is static and has no vibratory unit.

The pressurized water sprinkling system has a tank capacity of 110 liters (29,1 gal). An interval water flow regulation mechanism, controlled by the operator, ensures optimal water flow and extends sprinkling time. A two-stage filtration system (water inlet and central filter) is easy to reach and can be cleaned without draining the tank.

EASY TO CONTROL

The operator platform is fully isolated from vibration and equipped with a comfortable seat. All operational elements are conveniently located on the main dashboard and can be easily reached.

A multi-functional dashboard display monitors key operating functions. The ARX 10.1 StV is available with a mechanical drive lever that is directly connected to the hydraulic drive pump. This solution brings simple and safe machine drive control.

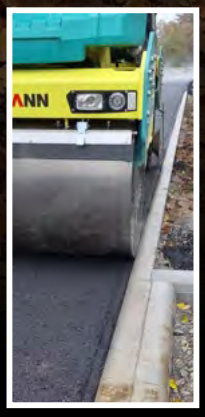
Steps are conveniently located on both sides of the rear frame to provide easy access to the operation station. Further convenience and safety are delivered through an easy-to-grip handle and a design that places the steps outside of the machine contour.

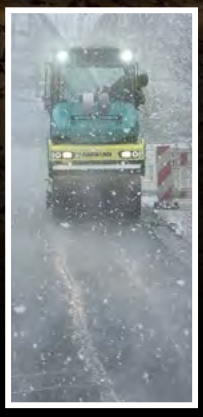
The narrow design and the longitudinal engine location provide perfect visibility from the operator station to all directions and edges. This significantly improves compaction properties and safety on job sites.

Tandem Roller

AMMANN PIVOT-STEER ROLLER TESTED IN MULTIPLE APPLICATIONS

Tandem Roller





COMPACTOR TRAVELS TO SIX JOB SITES FOR DEMOS

Contractors tested an Ammann ARP 75 Pivot-Steer Roller at multiple job sites in Germany last fall, and the Ammann team was there for every turn of the drums.

The demos were conducted over 17 days from mid to late November. The machine worked in varied applications and on multiple material types.

Temperatures fluctuated as well. Some days were sunny and relatively warm, while temperatures – and snow – dropped during the last few tests.

"It's important to get the compactor on job sites and see it perform under multiple variables in live conditions," said Karl-Heinz Eichele, a trainer at Ammann. "We have a chance to talk to operators and learn their needs, and also evaluate how the end product is performing."

The ARP 75 drew plenty of praise in the field. "It was universally complimented as productive and efficient," Eichele said.

The machine operated in crab (offset) mode on some job sites. This setting is used to provide more compaction and working width on straight roads. Crab mode also provides a better view when using the edge cutter and while working on tight curves, along drainage channels, curbs and sloping roadways.

In tighter spaces, the compactor operated inline, which enhances manoeuvrability.

"The pivot steering makes the roller extremely manoeuvrable," said Florian Schultes., an operator. "What's new is the fingertip steering. Operators love it."

They also appreciate the 360° visibility from the operator station. The cab integrates four ROPS posts directly in the main structure and near the doors, not in the cab corners. This improves safety and visibility.

"You can see forever out of these compactors," Florian Schultes said. "What a difference it makes!"

POWERFUL COMPACTION, THOROUGH DOCUMENTATION

THE MACHINE IS DOING MORE THAN COMPACTING AS IT ROLLS ACROSS THE JOB SITE: IT IS ALSO COLLECTING DATA

A new Ammann ARS 110 Single Drum Roller, still sparkling clean, has been added to the fleet of Austrian company Gänger GmbH.

This year, we are carrying out substructure renovation work on a number of construction sites for ÖBB, the Austrian national railway company," said Lukas Schachner, Managing Director at Gänger GmbH. "However, the required documentation of the compaction values was not possible with our old compactor."

COMPACTION ALONE IS NOT ENOUGH

When company management decided to invest in modern compaction technology, Gänger turned to a long-time partner, Ammann dealer Huppenkothen.

"We researched the market and had our first discussion with Huppenkothen on this topic when we opened a new branch in Großebersdorf," explains Schachner. "We decided in favour of the new Ammann ARS 110 compactor based on the excellent advice we received and the proximity of the site in the north of Vienna."

Klaus Smagoi, Area Sales Manager at Ammann Austria GmbH in St. Martin, explains the strengths of the ARS 110: "The latest generation of Ammann compactors stands for even greater efficiency and quality," he says. "This is ensured by the intelligent compaction measuring system ACE^{force}, which is pre-installed in the latest generation of machines. It can be activated at short notice if required."

Single Drum Roller

ACE^{force} is the proprietary compaction system from Ammann, especially for compactors. It provides the machine operator with precise, real-time data on compaction progress.

A COMPACTOR FOR VERSATILE APPLICATIONS

The compaction parameters on Ammann compactors are variable and infinitely adjustable. "This unique system allows the operator to optimise the machine's performance parameters to suit requirements."

With ACE^{force}, the required compaction is achieved in the shortest possible time. Unnecessary rolling passes are avoided. This saves fuel, labour and reduces machine wear. In addition, expensive reworking on an already completed construction site is a thing of the past.

The compaction results measured by ACE^{force} can be combined with a newly available option, Ammann Documentation System (ADS). The app is simple and intuitive to use and utilises GPS for precise positioning.

"With the ARS 110, you compact at the optimum degree of compaction, save unnecessary passes and avoid over-compaction," summarises Smagoi. "With ACE^{force} and the ADS documentation system, all important data is available digitally in real time. The contractor has simple quality control and precise construction site documentation for the client."

PURCHASE ENABLES AMMANN TO BUILD ON STRONG ABG BRAND

AMMANN GROUP HAS FINALISED ITS ACQUISITION OF THE ABG PAVING PRODUCT LINE FROM VOLVO CONSTRUCTION EQUIPMENT

“ABG is a strong brand that we’re proud to welcome to Ammann,” said Hans-Christian Schneider, CEO of Ammann. “We will continue to build on ABG’s exceptional product line and reputation and provide complete roadbuilding solutions for the industry.”

Hans-Christian Schneider, CEO of Ammann and Bernd Holz, Executive Vice President of Ammann’s new Division Road Equipment

Customers and dealers of Ammann and Volvo CE will retain access to the full line of paving offerings, as well as aftermarket and other services.

The transaction includes the transfer of Volvo CE’s paving businesses in Linyi (China) and Bangalore (India) as well as Volvo CE´s ABG facility in Hameln (Germany). ABG pavers and screeds will continue to be produced at the facility in Hameln. Ammann production facilities in Meshana, India; and Suzhou, China; will also be a source shortly.

Ammann will leverage its industry knowledge and customer relationships to guide the development of the pavers, with ABG in Hameln (Germany) becoming the Center of Excellence for paving operations within the Group.

Initially established as a construction equipment repair shop in 1945, ABG in Hameln has evolved into one of the most recognized paving brands globally. Demonstrating its ongoing innovation, ABG recently introduced a new electric paver at Intermat 2024 in Paris.

Ammann will retain the respected ABG name. “The ABG brand is synonymous with quality in the industry and aligns perfectly with Ammann’s history in asphalt compaction,” said Bernd Holz, Executive Vice President at Ammann.

SMOOTHER MATS, HUNDREDS OF HOURS OF "FOUND" PRODUCTION: THE BENEFITS THAT DRIVE THE NEW AMMANN ABG PAVER LINE

Ammann has strengthened its roadbuilding product offerings with the purchase of the ABG paver line from Volvo CE, effective 1 June. What does the acquisition mean to Ammann customers? What value will the newly branded Ammann ABG Pavers bring to the marketplace? Bernd Holz, Executive Vice President of Ammann's new Division Road Equipment, provided some answers.

Have you already implemented any changes in the paver line?

Bernd Holz: *The pre-fabrication and the assembly line for pavers are state-of-the-art and designed to the newest lean manufacturing design. The previous owner, Volvo, made many investments. Ammann will continue with the current design and do some fine-tuning where needed. There is no need at the moment for tremendous changes.*

Why did Ammann acquire the ABG Paver line?

BH: *It gives us a chance to bolster our roadbuilding products with what we most certainly consider the leading paver brand. Ammann offers plants, pavers and compactors that provide exceptional value during every phase of the asphalt paving process.*

Why did Ammann target ABG pavers?

BH: *ABG is a strong, well-established brand with a long history. It started as a construction equipment shop in 1945 and evolved into the global brand it is today. By the way, we see strong similarities to Ammann, which started as a one-man shop more than 150 years ago.*

The paving product line is comprehensive. The basic paving widths vary from 1.5 metres to 13 metres. That was important; we wanted to make sure we could meet the needs of virtually all customers.

So we have pavers that are wheeled and tracked, and big and small – and everything in between.

What would I notice about the pavers if I visited a job site?

BH: *You would likely notice machines are quieter and the mats they produce are smoother. Ammann ABG pavers operate at lower volumes – only 105 decibels. Operators tell us less noise on the job site makes a big difference. The screed was designed to be quieter, but at the same time able to achieve much more pre-compaction. In fact, double tamper screeds achieve up to 98 % compaction. Communication is easier, which improves safety. There is a health factor as well.*

You'll also notice the job sites are very quiet before the shift starts thanks to the e+ screed heating system.

Can you explain the screed heating system?

BH: *The e+ screed heating system does not require a running engine to generate electric power. Instead, the paver can be charged directly from the grid – usually from a power pack brought to the job site. That means the screed can be heated during mandated quiet times. The crew start working the minute work is allowed.*

It takes about 30 minutes to heat a screed, thanks to two heating bares per screed plate and a direct heating bar in the tamper bar. Multiply that 30 minutes of "found" work time across hundreds of days a year, and the production gains are enormous.

I should point out that the e+ screed heating system also lowers CO_2 emissions, which fits into Ammann's goal of making roadbuilding greener every day.

What makes the mats so smooth?

BH: *Much of it can be attributed to the ABG screeds. They have consistently set the bar in the industry. ABG provided the first hydraulically adjustable, high-compaction screed on the global market.*

There are now many Ammann ABG screed choices… fixed or Variomatic, single or double tamper. The double-tamper technology delivers a 5 % to 7 % higher degree of compaction than some competitive products and can achieve up to 98 % Marshall density.

Fixed screeds are suitable for various materials, including asphalt, roller-compacted concrete, graded mineral mixes and railway ballast. Variomatic screeds are adaptable to different project types, from cold mixes to hot mixes and special profiles. The fact that these screeds are built for specific materials makes them even more effective.

There are also features such as optional hydraulically controlled endgates and a unique advanced quick-coupling system for easy extensions, only available on ABG screeds.

Beyond the screeds, how do Ammann ABG Pavers differentiate themselves?

BH: *One way is with Electronic Paver Management, known as EPM3, which is renowned for its operator-friendly controls. It has features that make a real difference – including an intuitive display that guides operators through individual functions. It is especially helpful when working at night. Adjustments can be made quickly, too.*

All Ammann ABG Pavers are recognised for their advanced technology, ease of operation, reliability and quality. They are designed to minimise fuel consumption, reduce emissions – and operate quietly, as discussed earlier.

What kind of paver innovations can we expect in the future?

BH: *A recently introduced electric-drive paver reduces CO_2 emissions on the job site by about 70 %. It's an important step toward the zero emissions paving initiatives we are seeing across the world.*

Ammann has unveiled its sustainability action plan, "A Green Path Forward." We are very committed to being a part of that – including but not limited to e-drive machines.

As for what's coming up… We will continue to invest in product development. We made this acquisition to add even more value to the line of pavers. We want to make what is already great even better. That is our commitment.

THE ABG ADVANTAGE

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PERFECT FINISHES

For additional product information and services please visit: **www.ammann.com**
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AMMANN

NEW PRODUCTS

SINGLE DRUM ROLLERS INTRODUCED

Ammann has strengthened its line of single drum rollers with the launch of two compactors that serve the 15-ton and 17-ton weight categories.

The new Ammann ARS 150.1 T3 and Ammann ARS 170.1 T3 Single Drum Rollers are powered by highly reliable engines that meet EU Stage IIIA and U.S. EPA Tier 3 emissions standards. They replace the previous generation of ASC T3 compactors.

With this addition, Ammann now offers single-drum compactors with the above emissions standards and weights ranging from 110 to 170 tons.

The compaction power and manoeuvrability make these new rollers perfect fits for medium and large projects – including roads, highways and industrial areas. Control and operation are intuitive, which is especially beneficial for less experienced operators and those who provide training to newcomers.

ARS 150.1 & ARS 170.1

AMMANN UNVEILS ANOTHER EXCELLENT RECYCLING PLANT

The Ammann ACP ContiMix 2.0 Asphalt-Mixing Plant provides the benefits of both batch and continuous plants.

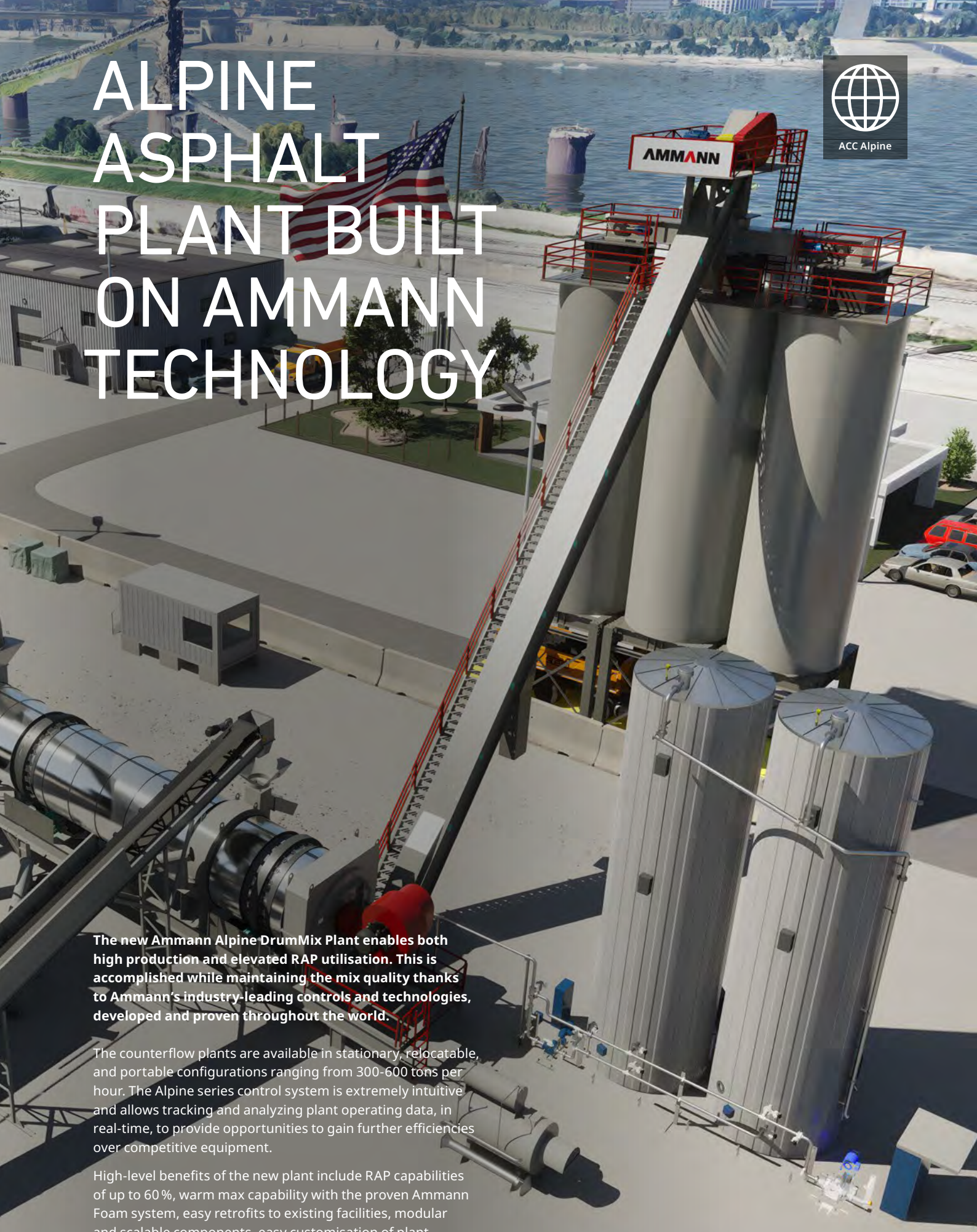
It can utilise up to 100 % RAP with the RAH100 dryer, or up to 50 % RAP with the second-generation RAH50.

The plant can produce cold, warm and hot asphalt mix, and it is efficient thanks to Ammann's advanced technology for dryers, filters and energy usage. The as1 Control System is intuitive and provides further efficiencies.

ACP Contimix 2.0

ALPINE ASPHALT PLANT BUILT ON AMMANN TECHNOLOGY

ACC Alpine



The new Ammann Alpine DrumMix Plant enables both high production and elevated RAP utilisation. This is accomplished while maintaining the mix quality thanks to Ammann's industry-leading controls and technologies, developed and proven throughout the world.

The counterflow plants are available in stationary, relocatable, and portable configurations ranging from 300-600 tons per hour. The Alpine series control system is extremely intuitive and allows tracking and analyzing plant operating data, in real-time, to provide opportunities to gain further efficiencies over competitive equipment.

High-level benefits of the new plant include RAP capabilities of up to 60 %, warm max capability with the proven Ammann Foam system, easy retrofits to existing facilities, modular and scalable components, easy customisation of plant arrangements and a single-drum, multi-zone drying and mixing system with VFD for increased performance and flexibility.

NEWS & EVENTS

Virtual Showroom

VIRTUAL SHOWROOM LAUNCHED

AMMANN'S NEW HEAVY EQUIPMENT VIRTUAL SHOWROOM IS UP AND RUNNING

Take a virtual stroll through Ammann's complete line of heavy rollers, including single drum, tandem and pneumatic models. Click on a specific machine for highlights. Review specifications, photos and product brochures, and access informational videos.

The Heavy Equipment Virtual Showroom follows the success of the previously launched Light Equipment Showroom.

NEW WEBSITE FOR AMMANN

coming soon!

AMMANN'S WEBSITE, AMMANN.COM, HAS A NEW LOOK-AND-FEEL.

You'll find everything you need thanks to the latest web technology and the intuitive experience it delivers.

Visit the site to learn about Ammann's latest product offerings, innovations and sustainability efforts.

HILLHEAD DRAWS A CROWD

Many visitors stopped at the Ammann stand at Hillhead, the UK's largest quarrying, construction and recycling exhibition held in June.

There was a great deal of interest in Ammann's new line of ABG Pavers. Single-drum rollers, including the new Ammann ARS 50, also were extremely popular.

Sustainability was the focus for Ammann asphalt plants. The company's Green Plant Initiative was the topic of much conversation. The initiative includes alternative fuels and successful elimination of emissions at all stages of the asphalt production process.

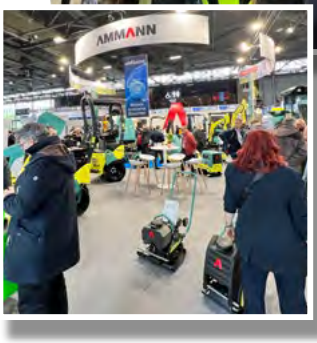
SUCCESS IN SWEDEN

Visitors to the Swedish Machine Fair saw the latest cutting-edge machines from Ammann. The stand, hosted by Swecon, included Ammann e-drive rammers, plate compactors and the popular eARX 26-2 Tandem Roller.

ABG Pavers, the newest Ammann product line, drew a great deal of attention at the show.

'LOW CARBON' THEME SUITS AMMANN

Intermat Paris 2024 built its recent show around sustainability, a concept that fit Ammann's plants and machines well.



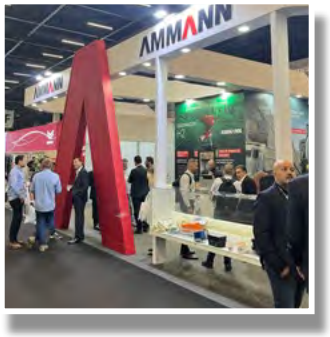
Electric-drive machines, including plate compactors and mini excavators, lived up to the "low carbon" theme. An e-drive ABG Paver was unveiled at the show.

Ammann experts also were on hand to discuss three recent announcements on the asphalt production sustainability front: the H2 hydrogen burner, VOC Reduction Device (VRD) and the Blue Smoke Treatment (BST) capture system. The eco-friendly Ammann ACP 240 ContiMix Asphalt-Mixing Plant also was featured.

INNOVATIVE PRIME 2.0 UNVEILED AT EXPO

The new Ammann ACM Prime 2.0 Asphalt-Mixing Plant made its debut at M&T Expo 2024, Latin America's largest trade show. The second generation of the Prime family boasts significant updates, including a new exhaust system and the as1 Argon View control system.

A 3D animation of the Prime, which detailed the functionality of each component, drew considerable interest at the stand.



Ammann's leadership in technology and sustainability was also showcased, including burners capable of utilising 100 % hydrogen.

UPCOMING FAIRS 2024

11 – 14.SEP
GALABAU
NUREMBERG, GERMANY

17 – 19.SEP
SALON VERT
ST. CHERON, FRANCE

9 – 12.OCT
ASPHALTICA
BOLOGNA ITALY

26 – 29.NOV
BAUMA CHINA
SHANGHAI, CHINA

11 – 14.DEC
BAUMA CONEXPO
NEW DELHI, INDIA

Shows and events

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