

TRANSPORT-OPTIMISED CONCRETE PLANT

CBT ELBA

INDISPUTABLE VERSATILITY
AND PERFORMANCE



READY FOR TODAY AND TOMORROW
EASY UPDATES THROUGH SMART DESIGN

AMMANN
ELBA

AMMANN CBT CONCRETE-MIXING PLANTS PROVIDE THE PRODUCTIVITY YOU NEED WHILE DELIVERING COST-SAVINGS ALONG EVERY STEP OF THE PROCESS.

THE PLANTS CAN PRODUCE FROM 60-130 M³/H AND CAN BE EITHER STATIONARY OR TRANSPORTABLE. THEY OFFER MAXIMUM CUSTOMISATION, INCLUDING OPTIONS THAT CAN HELP YOU TODAY – AND TOMORROW, THANKS TO AN INTUITIVE DESIGN THAT ENABLES EASY UPGRADES OF FUTURE TECHNOLOGIES.



AMMANN

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CONCRETE MIXING PLANTS

AMMANN HAS PROVIDED RELIABLE AND ECONOMICAL SOLUTIONS FOR THE PRODUCTION OF HIGH-QUALITY CONCRETE FOR MORE THAN 70 YEARS. AT THE CORE ARE COMPULSORY MIXERS AND COMPLETE MIXING PLANTS, BOTH MOBILE AND STATIONARY. COMPLEMENTING THE PRODUCT LINE ARE PLANETARY COUNTER-CURRENT MIXERS, MODULES FOR THE PRECAST PARTS INDUSTRY AND LINEAR STORAGE BINS.

The design and quality of components and materials separate Ammann. From the plants to the storage bins and everything in between, all materials feature excellent quality to ensure long life and durability.

CONCRETE PLANTS

Every plant is designed for high productivity and each is available in stationary and semi-mobile versions.

- Other options include precast components and high-performance plants.
- All plant types also integrate modular designs that provide flexibility so they can be customised to fit each customer's needs - now or in the future.

STATIONARY



CBS ELBA

Max. concrete output:

107-190 m³/h

Mixer volume:

2000-4500 l



CBS POWERMIX

Max. concrete output:

105-220 m³/h

Mixer volume:

2500-4000 l

TRANSPORT-OPTIMISED



CBT ELBA

Max. concrete output:

60-128 m³/h

Mixer volume:

1000-3500 l



CC ELBA

Max. concrete output:

30-128 m³/h

Mixer volume:

500-3500 l

AMMANN CBT PLANT PERFORMANCE



PLANT TYPE	60	105	110	120	130	140	150
AGGREGATE ELEVATION	SKIP	BELT	BELT	BELT	BELT	BELT	BELT
MIXER TYPE ⁴	CEM 1000 S	CEM 2000 TP	CEM 2250 TP	CEM 2500 TP	CEM 3000 TP	CEM 3333 TP	CEM 3500 TP
MAX. CONCRETE OUTPUT OF THE PLANT COMPACTED FRESH CONCRETE (TRUCK LOADING) ¹	60 M ³ /H	91 M ³ /H	97 M ³ /H	105 M ³ /H	120 M ³ /H	127 M ³ /H	128 M ³ /H
MIXER VOLUME	1000 L	2000 L	2250 L	2500 L	3000 L	3333 L	3500 L
ACTIVE AGGREGATE STOCK (STANDARD LINEAR BIN CEL 25) ⁵	30 M ³ – MAX 50 M ³	75–100 M ³	75–100 M ³	75–100 M ³	100 M ³	100 M ³	100 M ³
MAX. COMPONENTS ⁵	2–4	3–8	3–8	3–8	4–8	4–8	4–8
MAX. CEMENT TYPES	4	6	6	6	6	6	6
CONNECTION POWER ^{2/3} WITH GENERATOR SET SIMULTANEOUS FACTOR 1	138 KVA	315 KVA	335 KVA	335 KVA	360 KVA	414 KVA	414 KVA
CONNECTION POWER ^{2/3} MAIN CONNECTION WITH 1 CEMENT SCREW CONVEYOR SIMULTANEOUS FACTOR 0.8	55 KW	125 KW	134 KW	134 KW	145 KW	165 KW	165 KW

¹ THE CONCRETE OUTPUT DEPENDS ON SEVERAL PARAMETERS AND HAS TO BE CALCULATED INDIVIDUALLY FOR EVERY APPLICATION. THE FIGURES ARE BASED ON A DISCHARGING ON DUMP TRUCKS.

² EXACT ELECTRICAL CONNECTION DATA ARE TO BE DETERMINED IN ACCORDANCE WITH THE ACTUAL PLANT LAYOUT, INCLUDING ACCESSORIES AND PLANT EXTENSIONS.

³ INCLINED BELT WITH 37 KW ACCEPTED.

⁴ CEM TP = TWIN SHAFT COMPULSORY MIXER.

⁵ OPTIONAL LINEAR BIN CEL 35 UP TO 210 M³ AND UP TO 12 COMPONENTS (NOT CONTAINERISED).

CBT: ADVANTAGE OVER ALL OTHERS

EXCEPTIONAL PERFORMANCE, RELIABILITY AND QUALITY ARE THE CORNERSTONES OF OUR CUSTOMER COMMITMENT. THESE CRITERIA CREATE UNIQUE ADVANTAGES THAT SEPARATE THE CBT FROM COMPETITORS' PLANTS.

We continuously invest in technology and innovation to ensure the best solutions for efficiency, energy savings and sustainability. The utilization of recycled concrete lessens the plant's environmental impact while offering scalable solutions for specific needs.

Optimized transport and on-site assembly bring flexibility, cost-effectiveness and immediate production to our customers.

Last, but certainly not least, is the highly advanced as1 Control System that furthers production efforts.



SUSTAINABLE SOLUTIONS

- Highly accurate cement dosing
- Optimized and modular products can be upgraded at any time



EFFICIENCY & ENERGY SAVING

- Ammann technology provides efficient energy consumption compared to competitive plants
- Low energy consumption = low CO₂ emissions
- Low energy consumption = reduced operating costs



TRANSPORT & INSTALLATION

- Best TCO (Total Cost of Ownership) on the market
- Low-cost handling and transport
- Plug and Play – Plants' electric and pneumatic components are completely pre-installed
- Quick installation due to pre-installed transport units



LOW ENVIRONMENTAL IMPACT

- All plants designed:
 - To be aesthetically pleasing or out of view
 - To provide scalable solutions for air, sound and dust emissions



QUALITY & RELIABILITY

- Ammann provides excellent value in mixers and dosing systems, filters, storage silos, and control system
- All core parts are designed in Europe
- Special wear solutions solve real customer problems



AS1 CONTROL SYSTEM

- At work in more than 3,000 plants globally
- Most innovative and complete system ever designed for concrete plants

EXPERIENCE, TECHNOLOGY AND DESIGN

AMMANN CBT PLANTS SET THE STRANDARD FOR OPTIMISED PLANTS IN THE 60–130 M³/H OUTPUT CLASSES

The CBT Elba is built on a linear, transport-optimised concept. It can serve as a concrete filling station, a small but powerful ready-mix plant, or even a producer of precast concrete.

With a production capacity of standard concrete from 60–130 m³/h, the CBT Elba concrete plant offers a wide performance range.

MATURE PLANT CONCEPT

Fast installation times, easy relocation and strict adherence of favourable transport dimensions to realize low transport costs were the goals of the Ammann development engineers. The result is a concrete-mixing plant equipped with sophisticated folding mechanisms and suitable components.

FAST, LOW-COST INSTALLATION

All electric and pneumatic components are connected and pre-installed when possible.

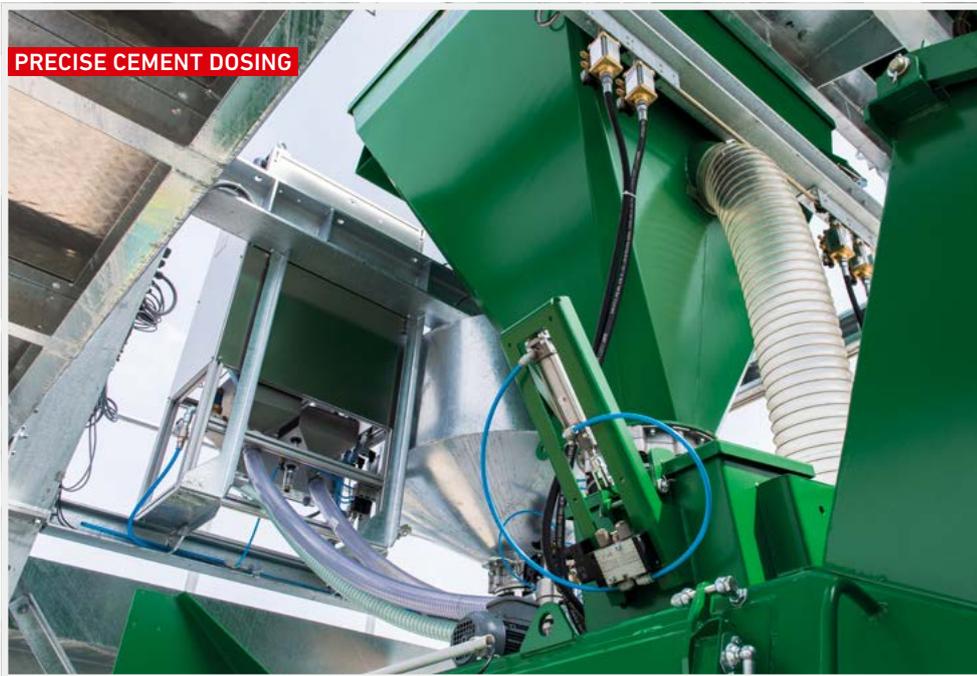
During assembly, the concrete-mixing plant will be unfolded, erected and the already pre-assembled weighing unit will be mounted on top.





SUSTAINABLE SOLUTIONS

THE USE OF RECYCLED CONCRETE IS A NECESSITY GIVEN TODAY'S SUSTAINABILITY NEEDS.



PRECISE CEMENT DOSING

BENEFITS

Reduction of cement usage due to:

- Exact dosing due to as1 software
- Butterfly valves prevent leaking
- Inverter controlled screws



CONCRETE GRANULATE DOSING

BENEFITS

- Hoppers designed for recycling material



QUALITY & RELIABILITY

THE DESIGN AND QUALITY OF COMPONENTS AND MATERIALS SEPARATE AMMANN. FROM THE PLANTS TO THE STORAGE BINS AND EVERYTHING IN BETWEEN, ALL MATERIALS FEATURE EXCELLENT QUALITY TO ENSURE LONG LIFE AND DURABILITY.

So essential is this integration that Ammann engineers all core components in-house.

Doing so is the only way to guarantee that our plants will meet the demanding requirements and standards of the modern market environment. Ammann offers this single-source approach, establishing us as a professional partner to handle every aspect of your concrete-mixing plant. We provide answers when you need them and keep an open mind in order to fully understand your needs.

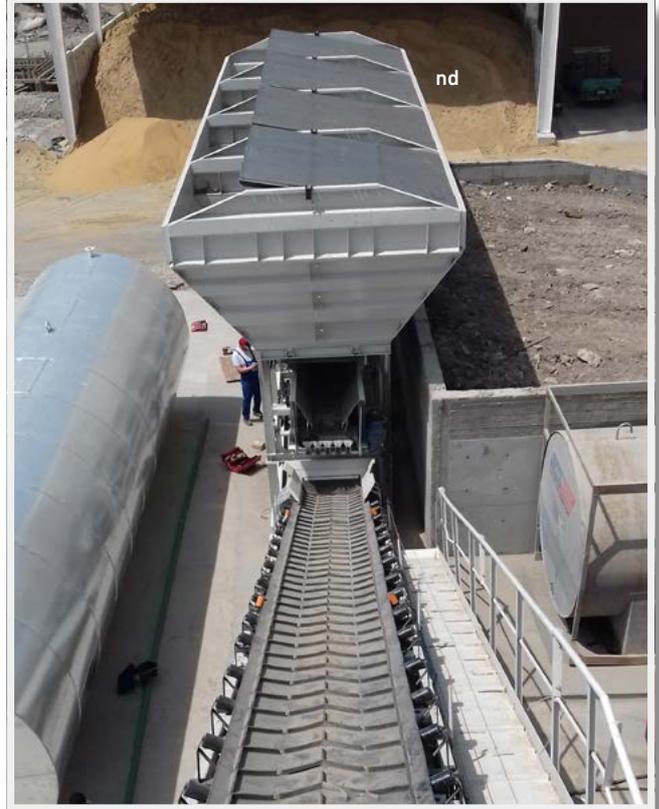
AMMANN

CBT OPTIONS

OPTIONAL CONCRETE PROBE OUTLET MIXER



CHEVRON CONVEYOR BELT WITH OPTIONAL WALKWAY (ONE-SIDED)



MIXER INLET FOR CEMENT WITH THE OPTIONAL SILICA INLET AND MIXER SYSTEM



WEIGHING PLATFORM WITH CEMENT WEIGHER AND OPTIONAL SILICA WEIGHER





LOW ENVIRONMENTAL IMPACT

A SHORTAGE OF INDUSTRIAL LAND MEANS THAT CONCRETE-MIXING PLANTS MUST INCREASINGLY BE LOCATED CLOSER TO RESIDENTIAL AREAS.

THAT MAKES IT MORE IMPORTANT THAN EVER THAT PLANTS MINIMISE NOISE AND DUST IN AN EFFORT TO BE GOOD NEIGHBOURS AND TO MEET LOCAL REQUIREMENTS.

- Ammann offers three levels of noise and dust suppression.
- CBT plants are designed for easy cladding.
- Cladding prevents dust and noise from being released in the atmosphere.
- Plants with cladding are aesthetically pleasing, essential when seeking approvals in urban areas.



LEVEL 1



AN ECONOMICAL, EFFECTIVE APPROACH

Includes several basic cost-conscious efforts:

- The cement silos are equipped with dust filters
- The weighing hopper is equipped with a filter

LEVEL 2



COVERING SKIP AND MIXING AREA

Builds on Level 1 and then offers several additions and upgrades:

- The mixer and dosing level are clad with trapezoidal panels
- The skiptrack is clad with trapezoidal panels

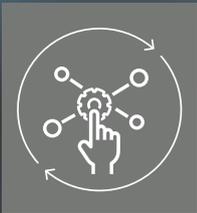
LEVEL 3



CLADDING FOR FURTHER REDUCTIONS

Builds on Level 1 and 2 and then offers several additions and upgrades:

- Insulated cladding at the backside of the filling area of the aggregate bins
- The aggregate weighing and belt section is clad with trapezoidal panels



AS1 CONTROL SYSTEM

THE POWERFUL AND FUTURE-ORIENTED AS1 SYSTEM CONCEPT COMBINES PROVEN AMMANN SOFTWARE WITH SPECIALLY MATCHED INDUSTRIAL HARDWARE.

The as1 computing environment has been designed and tested for use in tough environments. Its networking capability also has been optimised. Customers profit from the flexible workstation configuration, networking and administration.

THE FIELD BUS SYSTEM GUARANTEED FOR RELIABLE SIGNAL TRANSFER

The proven field bus system is robust and reliable under tough operation. Faults can be detected efficiently and rectified by means of the diagnostic tools, even via remote support.

THE POWER CABINET'S COMPONENTS DESIGNED FOR TOUGH, ROUND-THE- CLOCK OPERATION

The power cabinet's components have to withstand extreme stress 24 hours a day, which is why Ammann only uses tried-and-tested, globally available quality components from renowned manufacturers.

HOTLINE AND SUPPORT PLANT AVAILABILITY ASSURED

Electromechanical faults can be quickly resolved by the customer's own personnel with the help of the electrical circuit diagrams and the as1 diagnostic tools.

Ammann's knowledgeable customer service team staffs the hotline, which can be called for fault diagnosis or maintenance at any time. Modern telecommunications media increase the availability of the plant and reduce the need for costly on-site servicing.

HIGHLIGHTS

- Comprehensive system functionality
- Quick and easy to learn
- Safe to operate
- Proven, reliable field bus and load-sharing
- Professional hotline and support organisations ready for service worldwide





TRANSPORT & INSTALLATION

THE CBT IS DESIGNED AND ENGINEERED TO SIMPLIFY TRANSPORT AND ON-SITE ASSEMBLY.

Cost-effective transport and erection are essential to customer value. Plant options include steel bases that enable installation on stabilized soil – without the need of a concrete foundation.



QUICK INSTALLATION



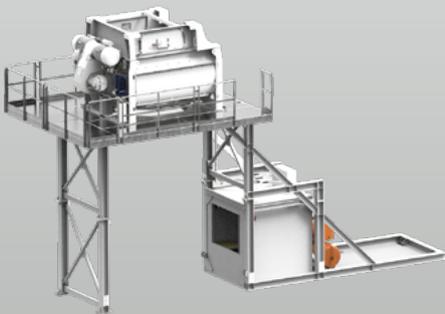
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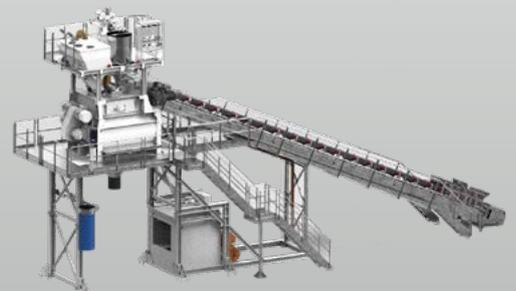
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2



3





EFFICIENCY & ENERGY SAVING

AMMANN PLANTS ENABLE CUSTOMERS TO CARRY OUT THEIR DUTIES EFFICIENTLY AND PRODUCTIVELY. THE PLANTS HELP CUSTOMERS WORK SMARTER, NOT HARDER.

MIXER

- High-efficiency mixer
- Short mixing time
- Easy cleaning
- Low wear
- Cleaning mode

INVERTER DRIVES

- High peak reduction
- Optimized speed of motors
- Reduction of wear

MIXER OUTLET

- Pulse peak system
- Smooth discharge
- Easy cleaning
- Reduction of wear
- Energy saving

CLADDING

- Weather protection
- Reduction of thermal influences
- Heating capability

AMMANN AFTER SALES FOR PLANTS

CONTRACTED MAINTENANCE SERVICES AND TECHNICIAN TRAINING PROVIDED BY AMMANN HELP PROTECT YOUR INVESTMENT, WHILE OPERATOR TRAINING ENSURES YOUR TEAM IS ABLE TO UTILISE ALL THE FEATURES AND BENEFITS BUILT INTO YOUR PLANT. WHEN YOUR NEEDS CHANGE, AMMANN OFFERS RETROFIT OPTIONS THAT CAN PROVIDE YOU WITH A GOOD-AS-NEW PLANT AT A LOW COST.

RETROFITTING

- Improve the technological level of the plant
- Increase component life
- Increase the plant's efficiency

ORIGINAL SPARE PARTS

- Maintain the initial performance of the plant
- Maximise plant use times (no stops in production)
- Monitor the maintenance costs

TRAINING

- Increase the plant's efficiency
- Reduce unnecessary costs
- Maximise plant use time

TECHNICAL SERVICE

- Assembly and professional testing of the system
- Technical assistance
- Preventative maintenance

AMMANN'S GLOBAL PRESENCE

An Innovative, Sustainable Business

Ammann is a world-leading supplier of mixing plants, machines and services to the construction industry, with core expertise in road-building and transportation infrastructure. We are committed to sustainability – in both the products we make and the ways we make them.

Our strengths are the forthcoming approach of a family firm that has been operating for many years, coupled with our strong and well-established international presence. Since 1869, we have been setting benchmarks in the road-building industry, thanks to countless innovations and solutions that are as competitive as they are dependable.

True to our motto, "Productivity Partnership for a Lifetime," we gear our activities to the needs and requirements of our customers around the globe. Plants and machines that consistently prove their merits under demanding conditions are the best way to give our customers the critical, competitive edge they need.

Our reliable, punctual service network provides the essential spare parts that keep our customers working – and supports the plants and machines throughout their lifetimes.



200+ AGENCIES & SALES PARTNERS

20 REGIONAL SALES OFFICES & SUBSIDIARIES

13 MANUFACTURING FACILITIES & CENTRE OF COMPETENCE

13 WAREHOUSES

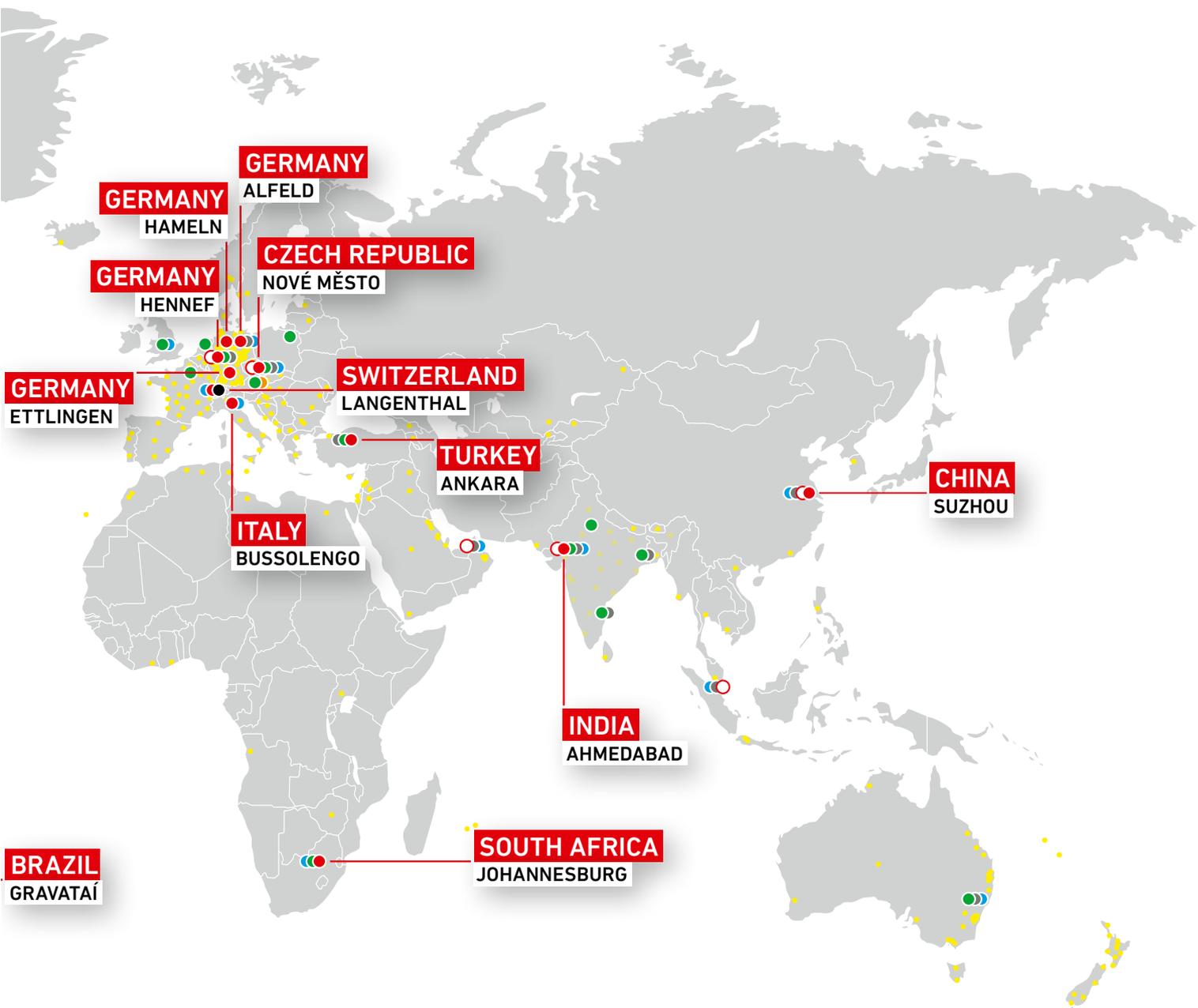
12 TRAINING CENTRES



PLANTS

ASPHALT-MIXING PLANTS

CONCRETE-MIXING PLANTS



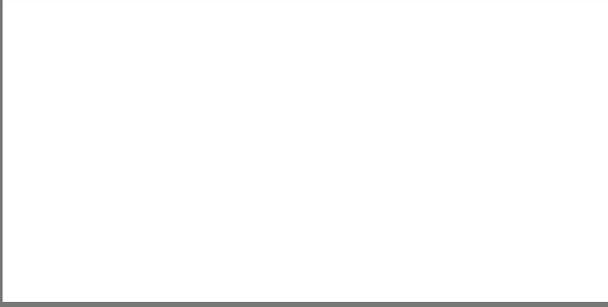
GLOBAL DISTRIBUTION & SERVICE NETWORK

- HEADQUARTERS
- REGIONAL SALES OFFICES
- SUBSIDIARIES
- AGENCIES & SALES PARTNERS
- MANUFACTURING FACILITIES & CENTRE OF COMPETENCE
- GLOBAL RETROFIT CENTRE
- WAREHOUSES
- TRAINING CENTRES



MACHINES

- LIGHT COMPACTION
- SOIL & ASPHALT COMPACTION
- ASPHALT PAVERS



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

