



DIGITAL. MOBILE. TRANSPARENT.

BOMAP – YOUR SMART HELPER ON CONSTRUCTION SITES.



MILLIONS OF KILOMETRES BEAR OUR SIGNATURE.

Whoever constructs roads, shapes landscapes, or carries out other earthwork projects can rely on BOMAG's unique expertise. For over 60 years, our name has stood for powerful, reliable machines – and for a good part of road construction history.

We are drivers of innovation and always think far ahead. Our BOMAP app makes your compaction control on earthwork and asphalt construction sites smart, digital, and more efficient. The app uses GPS to document roller passes, and draws an intuitively readable map of compaction progress. In real time. The driver knows exactly what needs to be done and where. The work result is available as a PDF file and provides full transparency. BOMAP runs on all standard Android tablets and smartphones, and is compatible with rollers from all manufacturers. When used with BOMAG rollers, the app collects additional readings for Continuous Compaction Control (CCC).

And with the upgraded version of BOMAP Connect, you can control and document all the compaction machinery and equipment across the entire construction site. This works regardless of the manufacturer, enabling machines of different makes to be integrated, and as an open system, so that recorded data can also be fed into other systems. The whole system comes in the form of a cloud solution that can be operated intuitively and analysed from any location. This is how construction site digitisation works today.

We owe our innovative strength to the commitment of our more than 2,500 employees worldwide. A source of expertise that has made us the global market leader in this sector. The foundation for this is our unconditional commitment to quality: in product development and production, in the qualification of our employees, and in service that guarantees optimal on-site support.



LEADER IN DIGITAL SOLUTIONS. BOMAG.



DIGITAL ALL THE WAY.

BOMAG machines are on the road to success worldwide. Asphalt roads stretching as far as the horizon are proof of our expertise. We are drivers of innovation and always think far ahead. We develop pioneering software to complement our machines. We are bringing the advantages of digitisation to you. Here and now.

The advantages offered by digitisation include greater efficiency and quality, measurability and comparability, reliability and transparency, and a significantly reduced workload on the entire construction site. We pack all this and more into digital BOMAG products to simplify your everyday

work on the construction site. We pass on our know-how: thanks to our many years of practical experience, we understand exactly what you need in your daily work, and apply our know-how to the development of digital solutions.

To make it as easy as possible for you to perform great work and succeed, we dispense with exclusivity. We have deliberately made our digital BOMAG solutions compatible with products from other manufacturers. We offer an open interface that can be integrated into any machine in your fleet, regardless of the make. Because it is important to us that your construction site runs seamlessly.

BOMAP: SMART COMPACTION CONTROL.

We have developed BOMAP for maximum benefit with the simplest operation. The app works on regular Android smartphones and tablets without the need for special hardware. BOMAP is immediately ready for use on all earthwork and asphalt construction sites worldwide, increasing efficiency and ensuring the best results. Including comprehensive documentation from A to Z.

BOMAP impresses with many useful functions that are easy and intuitive to use. No training is required.

BOMAP is perfectly compatible with BOMAG JOBLINK. Together they make a perfect team for the seamless digital construction site, and guarantee maximum efficiency.

DIGITAL. MOBILE. TRANSPARENT.

1

ADDED VALUE AT NO COST: FREE APP.

- Download the app for free in the Google Play Store.
- Installable on Android tablet / smartphone.
- Plug and play.
- GPS positioning via tablet / smartphone.
- No expensive special hardware required.

2

COMPREHENSIVE FUNCTIONS: PIONEERINGLY INTUITIVE.

- The app draws a compaction map of the construction site. Progress is visible in real time.
- Easy, intuitive operation. No training required.
- Colour scale reliably shows what needs to be done and where.
- PDF documentation after work completion.

3

ALL PROCESS DATA LIVE: WITH BOMAG JOBLINK.

- JOBLINK digital interface feeds machine measurement data into BOMAP.
- Display e.g. E_{VIB} , temperature etc.
- App automatically takes over machine configuration.





6

QUALITY: PLANNING AND DOCUMENTATION.

- Parallel planning of different projects in BOMAP via BOMAP Connect.
- Projects can be synchronised and relevant data exchanged.
- Intuitive tools for reporting and data evaluation.
- Interface to BIM and process tools.

5

GREATER EFFICIENCY: FEWER PASSES.

- Fewer passes required.
- Reduced working time, fuel, wear and CO₂.
- Stress-free and flexible working on the job site.
- Better on-site time management.

4

COMPATIBLE: WITH MACHINES FROM ANY MANUFACTURERS.

- BOMAP can be used on all compaction equipment.
- BOMAG tablet holder and GPS antenna fit all machines.
- Ideal interaction between BOMAP and JOBLINK for measurements such as E_{VIB}, ECONOMIZER etc.

ADDED VALUE AT NO COST!

Great benefits, no costs. We have developed BOMAP as a free app with maximum compatibility. The app is available free of charge in the Google Play Store. BOMAP runs on all regular Android tablets and smartphones, so no special hardware is required. The system requirement is Android 7.0 or higher.

For best performance, we recommend a screen diagonal of at least 9 inches and a mobile phone connection. BOMAP uses the mobile device's internal GPS to detect the position of the construction machine on earthwork or asphalt construction sites.

The app is immediately ready for use after installation. Once all parameters have been set, the app runs throughout the entire construction process. When the app is started, BOMAP automatically documents compaction output without the driver having to make any further settings. It is immediately apparent where optimum compaction has been achieved or whether further passes are necessary.

READY. DOWNLOAD. GO!

Download BOMAP here via QR code, install it, and off you go.



COMPREHENSIVE FUNCTIONS, PIONEERINGLY INTUITIVE.

A clear overview. BOMAP makes Continuous Compaction Control (CCC) transparent at every work step. To do so, the app takes over all useful functions from A to Z. At the same time, the user interface has a ground-breakingly intuitive design and can be operated without training.

- BOMAP displays live maps of the construction site. A colour scale marks the compaction progress in real time and gives the driver clear instructions on what needs to be done and where:
 1. Start measurement.
 2. Pass over green and red areas.
 3. The target has been reached once the area turns blue.
 4. End measurement. Done!
- BOMAP can be configured to meet the requirements of earthwork and asphalt paving. The colour scale display can be adapted to any construction site.
- The number of passes and other values such as E_{VIB} , the degree of compaction via ECONOMIZER and/or temperature etc. can be displayed. The colour scale display can be set to any of these values.

- With BOMAG JOBLINK, it is possible to differentiate between static, dynamic, grit spreader or rubber wheel passes at any time.
- POI management records measuring points or damaged areas, and offers an optional image and note.
- Dark mode provides support in poor visibility conditions, e.g. at night.
- The integrated project management allows you to create and save any number of projects.
- Regardless of whether a PDF file, a statistical evaluation or an overall construction report is required – the right documentation can be generated for every requirement.
- The projects are stored in BOMAP Connect and can also be archived there. They can consequently be viewed at any time by all involved.
- With BOMAP Connect, highly qualified analysis and/or further processing of the results in your own IT systems is possible.



GREATER PRECISION WITH THE BOMAP ANTENNA.

We enable the highest possible precision – with our BOMAP Antenna and the optional correction service. The first good results with BOMAP can be obtained via the mobile device's GPS. This lets you gain experience with the system and record and document small projects.

With the BOMAP antenna, the documentation and map display of the compaction process become far more precise. It achieves GPS positioning with an accuracy of up to 20 cm ("track-to-track precision"). This guarantees exact results on all earthwork and asphalt paving sites, and in poor visibility and weather conditions. Even on complex and inner-city job sites where space is at a premium, you receive highly

accurate compaction results and documentation. For maximum precision, the antenna can be equipped with our correction service. This provides accuracy in the single-digit centimetre range, down to < 5 cm.

The antenna is simple to use. It connects to BOMAP via Bluetooth. A cable is only required for the power supply.

The antenna can be mounted flexibly on the machine with a magnetic base. For all other makes, the BOMAP antenna is supplied with a universal wiring loom.





TABLET ALWAYS SECURELY FIXED AND IN VIEW.

When machines are on the move on job sites, the tablet needs to be well secured. The BOMAG tablet holder guarantees stable and flexible mounting. This allows operators to set up the tablet individually and optimally for their field of vision – in any machine, whether from BOMAG or any other manufacturer.

Because BOMAG is used in various machines, BOMAG's tablet holder offers a variety of mounting options. The tablet holder can be

fixed in the cabin with a screw connection or the 3-point suction pad provided.

In machines with ROPS / FOPS, the tablet holder is attached with a specially developed bracket – simply but effectively. A special BOMAG holder is also available for mounting on light tandem rollers. The holder fits all makes of tablet and display sizes from 9 to 10 inches.



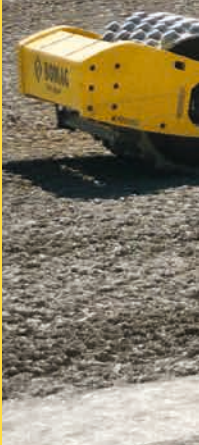
GREATER EFFICIENCY WITH FEWER PASSES.

Optimum results with maximum efficiency and substantial savings. That's what BOMAP delivers. BOMAP already enables you to connect all machines, even mixed fleets.

Thanks to continuous documentation and visualisation, drivers never makes one pass too many or too few. This saves fuel and working time. Machine wear is reduced. At the same time, BOMAP reassures operators that they are consistently achieving excellent quality, and optimises time management across the site. The environment also benefits from BOMAP: fewer passes mean lower CO₂ emissions. With the BOMAP Connect expansion, the entire compaction process of a construction project can be planned, controlled, tracked and documented. After activating

an Android tablet or smartphone in any of the BOMAG asphalt rollers involved, the installed app connects to the BOMAG JOBLINK machine interface and registers the machine parameters. The machines wirelessly transmit all relevant information such as soil stiffness or temperature to BOMAP.

The open interface BOMAG JOBLINK enables contractors to carry out further analyses. All data relevant to compaction is automatically recorded. Third-party machines in the fleet also interconnect and can transmit their passes, helping to generate a compaction record across the entire construction site. BOMAP Connect features open interfaces that enable contractors to carry out further analyses.





FULL POTENTIAL WITH BOMAG JOBLINK BLUETOOTH.

Exclusively from BOMAG: the most comprehensive digital surface covering compaction control on the market. With JOBLINK the unbeatable potential of BOMAP comes into play.

BOMAG machines are equipped with intelligent measuring technology. The BOMAG JOBLINK interface picks up all process-relevant readings and makes them available in BOMAP: E_{VIB} , frequency, amplitude, temperature (for asphalt rollers), travel speed, direction of travel, and number of passes. Even machines with ECONOMIZER can provide their compaction information.

A connection to BOMAP is automatically initiated when the machine is started. As soon as the wireless connection via the JOBLINK plug-and-play Bluetooth

adapter is established, BOMAP independently takes over the machine configuration; drum width, linear load and weight. All the measuring data appears in the app automatically – without the need for additional equipment. An additional JOBLINK Dashboard serves as a visual aid. As a consequence, the relevant measured values can be displayed in the driver's field of vision at any time without losing sight of the lane.

The final documentation contains all the measuring data sent to BOMAP via JOBLINK. Regardless of whether it concerns soil compaction or asphalt paving, you now have the ability to meet any future tender requirements such as Continuous Compaction Control (CCC).

NETWORKED FLEET.

With BOMAP, the entire earth and asphalt construction fleet works as a team. BOMAP is the only system on the market that can network all compaction machines on a construction site in real time. BOMAP shows your site managers and every driver on the job the current compaction status of the entire site and the current positions of the other machines.

All parties involved therefore have a constant overview of all relevant parameters. These are the ideal conditions for perfect teamwork. If things do not run smoothly, the site management is able to recognize this at once and react directly.

We deliberately kept this fleet networking capability in BOMAP compatible. As a result, you can network compaction equipment from any manufacturer, not just BOMAG machines.

Even mixed fleets can be controlled jointly without any problems.

For reasons of speed and unimpeded data flow, an intelligent algorithm reduces the amount of data to be transferred to a minimum. To guard against data loss, all data is temporarily stored and retrieved in the event of a connection failure.

BOMAP works via mobile radio, no local WLAN components are required. So you are immediately ready to go.

From site planning in BOMAP Connect to compaction control, BOMAP offers everything in one solution; whether from the office, or directly on site.



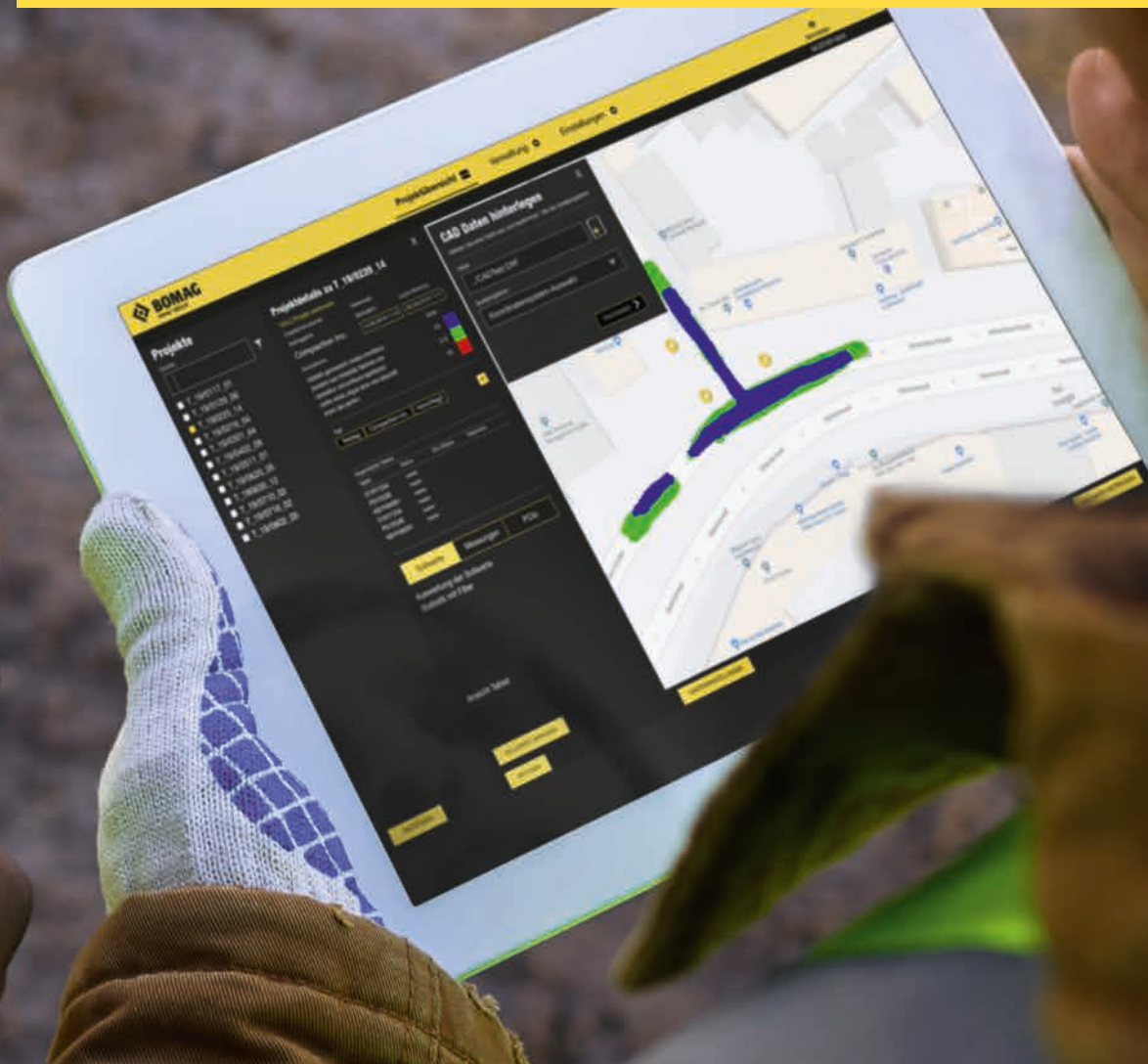
MORE STORAGE, MORE FUNCTIONS WITH BOMAP CONNECT.

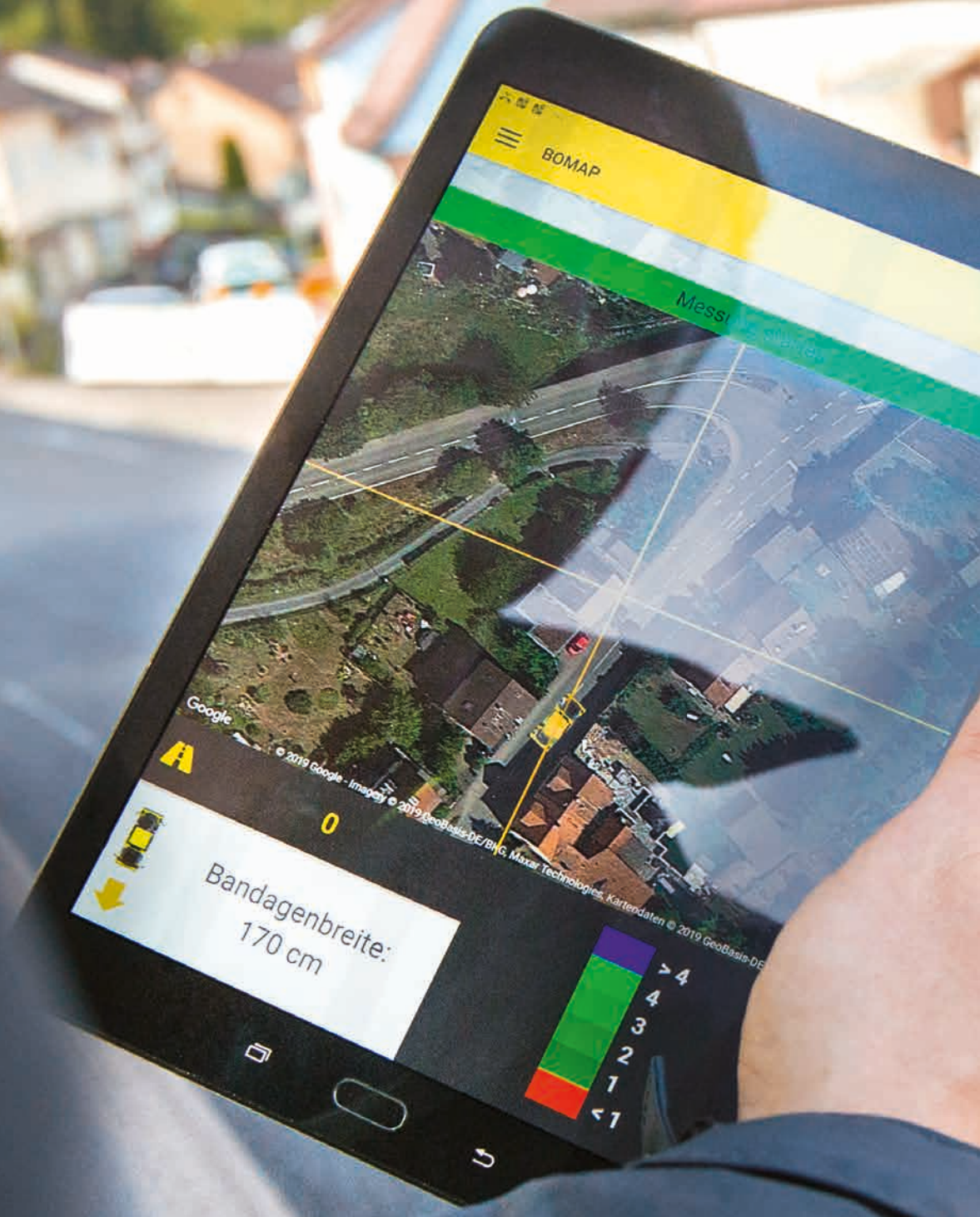
BOMAP Connect creates the perfect conditions for the parallel planning of different projects including intuitive site and resource planning. With the help of 3D planning data and up-to-date information from online map services, it is possible to specify all relevant core parameters for the site and to plan the construction process in detail. The respective job areas are defined, the compaction specifications are set according to the task (number of passes or soil compaction value), and the machines to be deployed are selected. Personnel and relevant machines can then be assigned to the various projects. The final project assignment is subsequently transmitted to the tablets of the roller drivers, foreman and site manager at the push of a button.

Should changes or fine adjustments to the project planning become necessary during the construction process, this poses no problem. The new default values can be easily adjusted and transferred to all involved at the touch of a button – in real time. That way, everyone is in the picture

at all times. The system is perfectly equipped for the use of local coordinate systems. Target values, POIs and measurements can be viewed, edited and saved directly. The user administration allows you to create individual role and rights profiles for different user groups. Users only see the information relevant to them. All new information and changes to the project plan are transmitted in real time. So everyone is always up to date. The data from all machines in the project comes together in BOMAP Connect. This enables you to keep track of the progress of all construction projects worldwide at any time, no matter if you are on the road or in the site office, and to react immediately to changing situations.

Once a project has been completed and evaluated, it can be conveniently archived to save storage space and increase transparency. Archived projects can, of course, be retrieved and viewed again at any time. The next step to a paperless office.





BOMAP

Massi

Bandagenbreite:
170 cm



QUALIFIED DOCUMENTATION.

The quality requirements on construction sites are increasing. Tenders and regulations require complete documentation. BOMAP takes care of all this for you.

With BOMAP, you have several options to reliably document your asphalt or soil compaction work.

The free app alone offers full compaction verification. The number of passes is recorded and exported as a PDF file.

BOMAG machines equipped with JOBLINK make it possible to provide complete quality verification for Continuous Compaction Con-

trol. With BOMAP Connect, you can document the results for the entire construction site from all the machines involved. All the data can be evaluated in many ways depending on individual requirements. You can collect statistics and generate your own reports that go far beyond the currently required regulations.

You can also set up different rights profiles that allow for differentiated documentation processing in accordance with user authorisations. For example, quality inspectors or clients can perform evaluations independently on the basis of a specific role profile without requiring access to project details.



BOMAP.

YOUR SMART HELPER ON CONSTRUCTION SITES.

- Free app download.
- Simple and convenient operation.
- Live compaction values and progress.
- For all compaction machines and manufacturers.
- Immediate improvement in quality.
- Reduced consumption, wear and CO₂.
- Navigation for the roller driver.
- Networked, mixed construction site.
- Full digital compaction verification.
- Tracking of all job sites at any time in real time.
- BIM compatible.

- ✓ Fulfil tenders.
- ✓ Provide quality certification.
- ✓ Minimise risks.
- ✓ Keep track of all job sites.

DATA PROVISION VIA BOMAP CONNECT.

Straightforward data transfer from one system to another. If required, BOMAP integrates seamlessly into your IT infrastructure. BOMAP offers a wide variety of interfaces to further processing programs. Regardless of whether you plan to use the generated 3D models as a basis for planning, utilise the collected data for BIM, manage the reports in your own archive system or for any other purpose...

BOMAP Connect's interfaces allow it to fully support communication with many systems available on the market. This makes it simple to import compaction

data into different systems and further process it seamlessly. The whole system comes in the form of a cloud solution that can be operated intuitively and analysed from any location. That's how construction site digitisation works today.

BOMAP Connect already fully supports common standards such as VETA. Always in the latest version.



**BOMAG MACHINES.
YOUR GUARANTEE
FOR SUCCESS.**



**JOBLINK.
OPEN
INTERFACE.**



**360°
FULLY
DIGITAL**



**TELEMATIC.
THE EFFICIENT
FLEET MANAGER.**



**BOMAP.
YOUR SMART HELPER
ON CONSTRUCTION
SITES.**



OUR SOLUTIONS WORK HAND IN HAND – FULLY DIGITALLY.

Our machines with intelligent measuring technology are the prerequisite for digitising the construction site. To achieve this comprehensive transparency, BOMAG has combined a whole range of modules into an integrated solution. Our products work hand in hand – fully digitally.

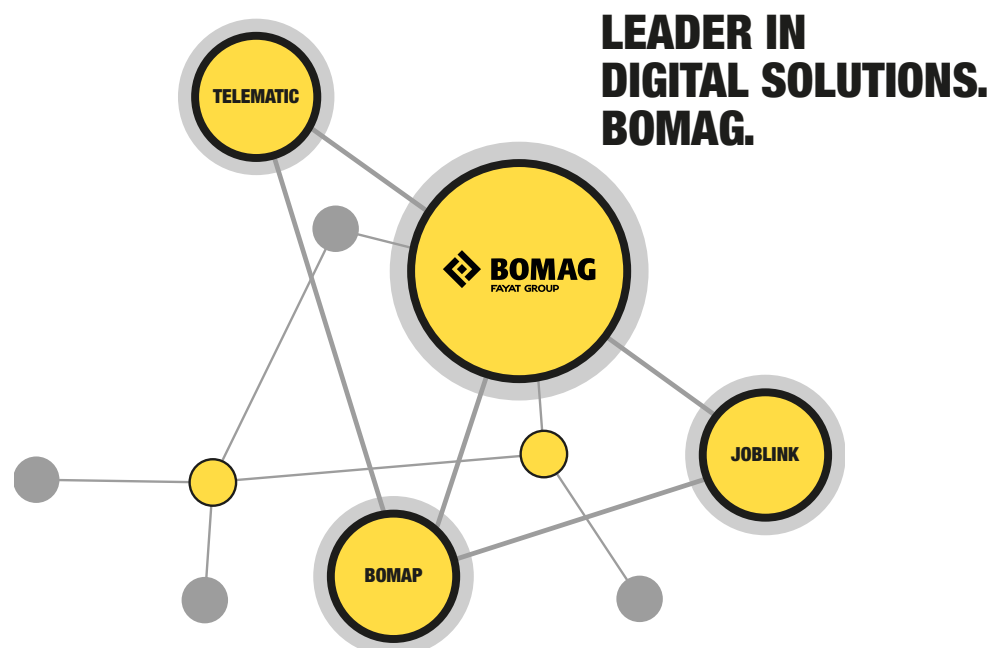
With BOMAG TELEMATIC, you are always up-to-date – in real time, comprehensively and globally. All of your machinery fleet activities are fully transparent. This offers you considerable advantages in fleet management when it comes to resource planning, service and safety.

All important machine information as well as productivity data can be recorded via our JOBLINK interface. As a team, JOBLINK and BOMAP provide the highest level of quality assurance and qualified records.

BOMAP, your smart helper on the construction site, is the new, self-explanatory mobile solution that allows you to document your work results on the job in real time. BOMAP Connect links the machines together to create a complete compaction map of the construction site – across all machines, even from different manufacturers.

Thanks to this unique solution, BOMAG is the only company that can map and document everything in real time – from planning to the finished, compacted asphalt. It can't get any more intuitive than that.

The bottom line is: efficient machine planning and deployment from start to finish.







DIGITAL SOLUTIONS PAVE THE WAY.

Quality quickly becomes evident. All over the globe. That's why BOMAG machines are deployed throughout the world. When building a motorway from Beijing to Inner Mongolia, for example, or an airport in Istanbul, or on construction sites in Germany.

The picture shows the airport construction in Istanbul – with an area of 76.5 million m². This means: 400 million m³ of landfill and compaction – a gigantic construction site. The soil compaction at the start of construction work was carried out with BOMAG machines.

A fleet of BW 226 and BW 216 heavy single drum rollers with padfoot and polygonal drum rollers was deployed. A total of 136 machines, 61 of which were equipped with BOMAG Terrameter (BTM), and 45 with BOMAG Compaction Management 05 (BCM 05) with GPS, were used for compaction control.

We are proud of the fact that machines and digital solutions, as only we make and develop them, are trusted by companies all over the world.

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