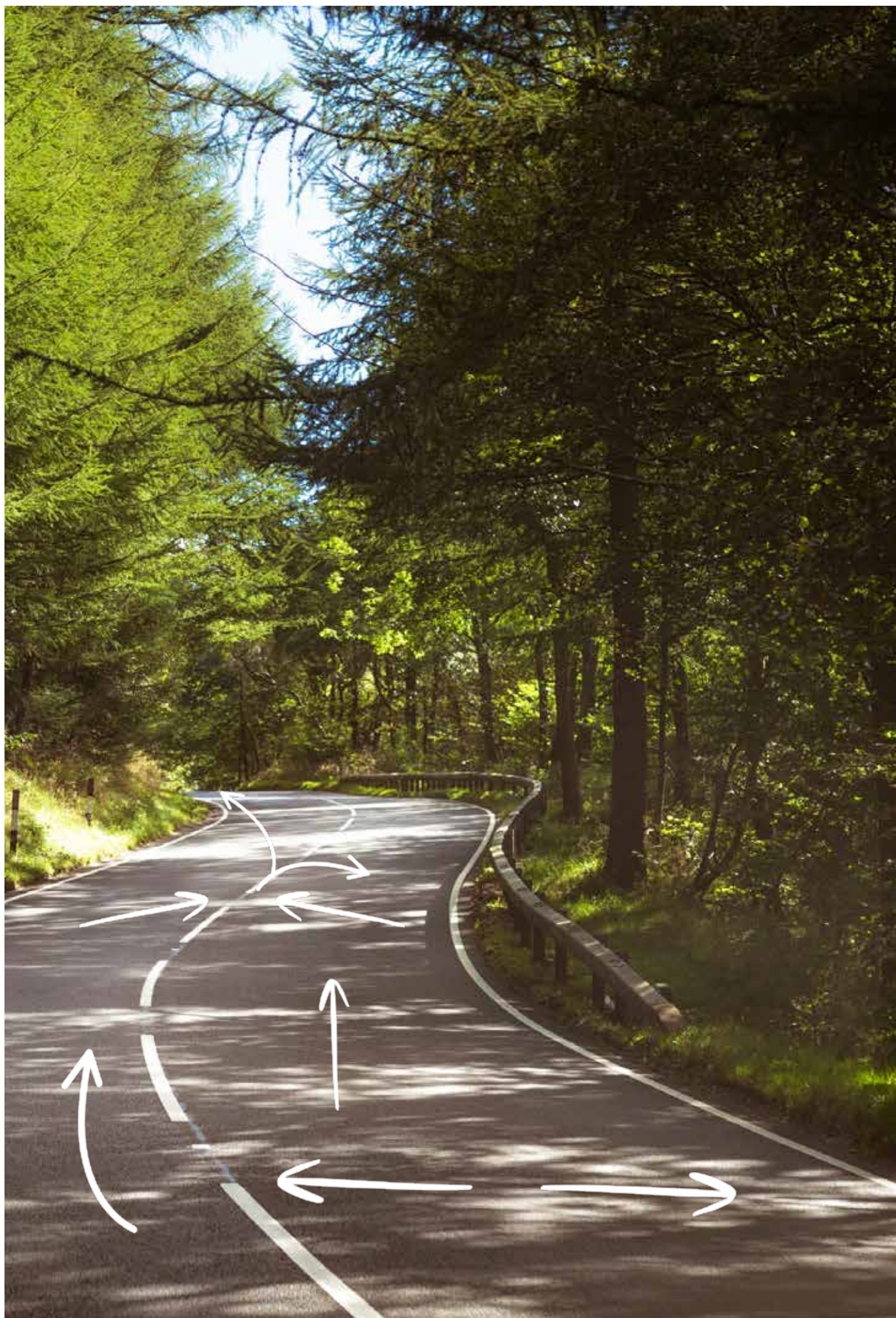


Aligned with confidence

Level Control Systems



Where straight isn't always the way

The **Dynapac Leveling Sensors and Systems** ensures precise screed positioning. Depending on the system, the screed can be precisely controlled in any direction.

Why do we level?

A precise leveling process lays the foundation for everything that follows.

- Smoother driving comfort and enhanced traffic safety.
- Extends the life of roads.
- Benefit from a cost-efficient construction process with less material waste and rework.

Meet all standards and quality requirements with ease – and unlock the full potential of modern assistance and automation systems.

2D Leveling

So far, you rely on fixed reference points like string lines or ultrasonic sensors to control height and slope along a single axis.

For more complex shapes, manual adjustments are needed – giving you the flexibility to adapt as required.

Ideal for straightforward projects with lower complexity, 2D leveling gets the job done efficiently.

3D Leveling

Fully automated control based on digital 3D models – whether from BIM or other design data – gives you complete command over height, slope, width, and direction simultaneously.

It's the ideal solution for complex road geometries and demanding construction tasks. Physical reference points are no longer needed, saving time and reducing setup effort.

You benefit from greater precision, higher efficiency, and consistent, repeatable results – job after job.



Smart sensing, simplified

Curious about what makes the paving process so precise? Let us give you a quick look under the hood. For a correct **2D leveling process** you need a **Sonic Sensor**, **Slope Sensor** and **Crowning Sensor**. Each is strategically positioned for optimal results.

Sonic Sensor

Mounted directly to the side shields, the sensor continuously measures the height to the ground – using five precision coils for maximum accuracy. A smart algorithm filters out extreme values and delivers clean, reliable data.

As the surface height changes, your machine automatically adjusts the angle of attack – for consistent results, smooth surfaces, and less manual correction.

Slope Sensor

Mounted on top of the screed, the sensor constantly monitors the current slope.

Your machine instantly reacts, adjusting the angle of attack to match your preset target – no manual input needed.

Precision made simple.

Crowning

An integrated sensor within the screed takes care of the crowning for you.

Because it works independently of the angle of attack, there's no need for constant adjustment – just reliable, consistent results.

Good to know: Since 2025 the Sonic Sensor, the Slope Sensor and the Level Control Ski are Dynapac hardware.





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THE GROUP

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RTS
MOBILE MIXING PLANT

RESIN

DYNAPAC
PAYAT GROUP

SD25 70/W



IR MACHINES

Dare into 3D

Step into the future of paving with **Level Control 3D** – Dynapac's intelligent software solution for fully automated **levelling based on digital site models**, using data from leading systems like Leica, Trimble, and Topcon.

A new dimension: The Level Control 3D System gives you full control over height, angle, and road profile – for precision paving made effortless.

HOW DOES IT WORK?

Detach from the physical environment by using virtual reference points that the machine can follow with precision. Use digital geodata from your preferred third-party provider instead of traditional string lines, and control the machine via RTK signals or total stations.

The key is Dynapac's bi-directional Open Interface. With simple Plug & Play you can connect third-party 3D systems effortlessly.

And what works in one direction also works in the other. You stay in control at all times. Not only can you monitor the data being used, but you can also make fine adjustments yourself – in real time, of course.



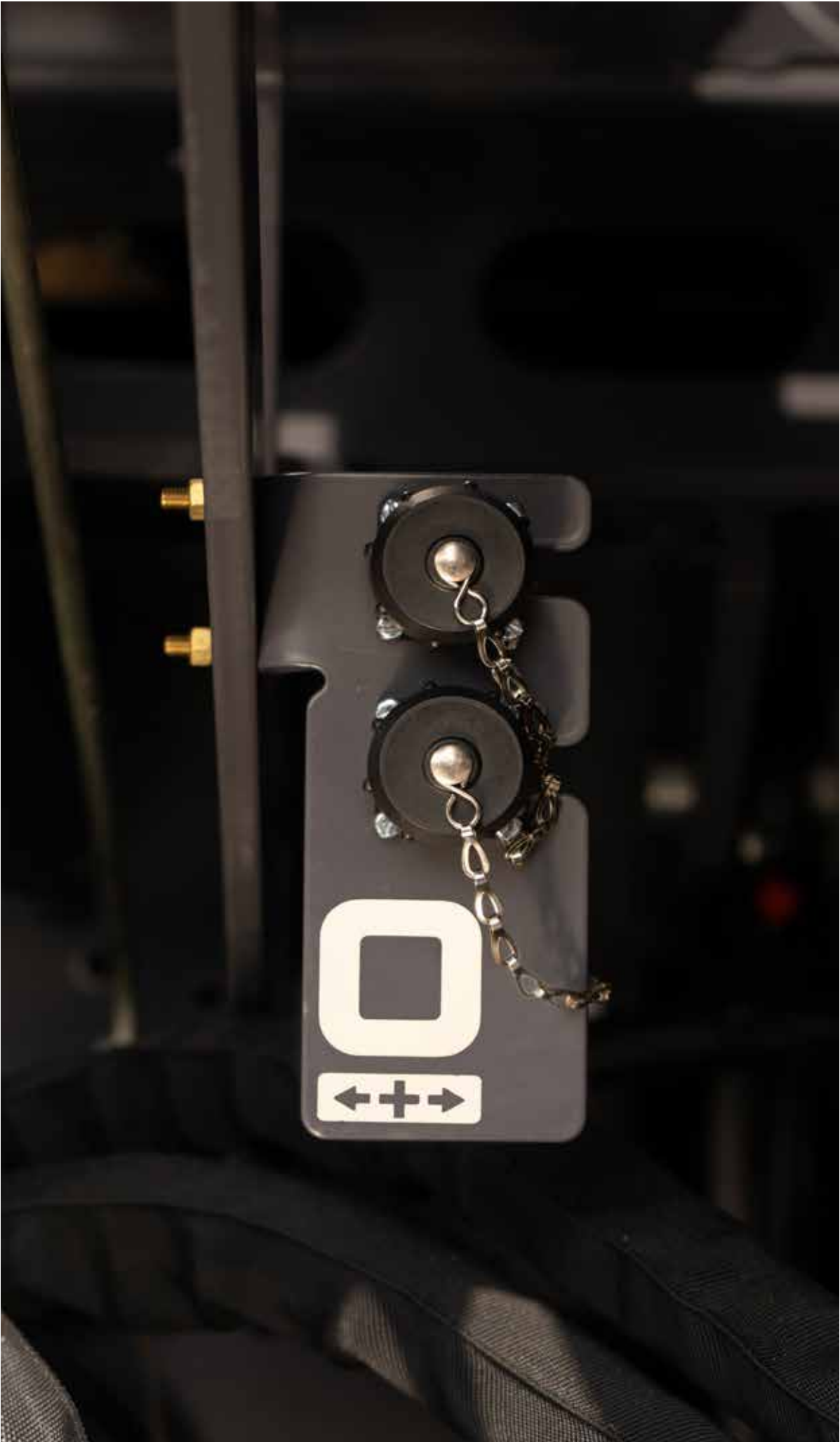
Our development partners:



Discover more
in our Walkaround Video

XD25
- with Level Control 3D







Give me five

The **Level Control 3D system offers two powerful options** to fit your needs. The Pro version takes ease of adjustment to the next level, giving you maximum control with minimal effort.

Unlike other manufacturers who rely on proprietary systems and store data exclusively in their own cloud environments, Dynapac gives you the freedom to choose the supplier that best fits your needs. This flexibility allows you to tackle larger and

more complex job sites more cost-effectively, while confidently meeting tender requirements. Thanks to seamless data exchange across systems, you remain fully in control – no matter which technology you choose to work with.

Break free from limits and build smarter in 3D.

Level Control 3D

- Screed Height Control
- Slope Control
- Crown Control

Level Control 3D Pro

- Screed Height Control
- Slope Control
- Crown Control
- Screed width Control
- Steering Control

The hardware itself – such as the 3D mast, total stations, and display – comes for both options from the respective manufacturer.

