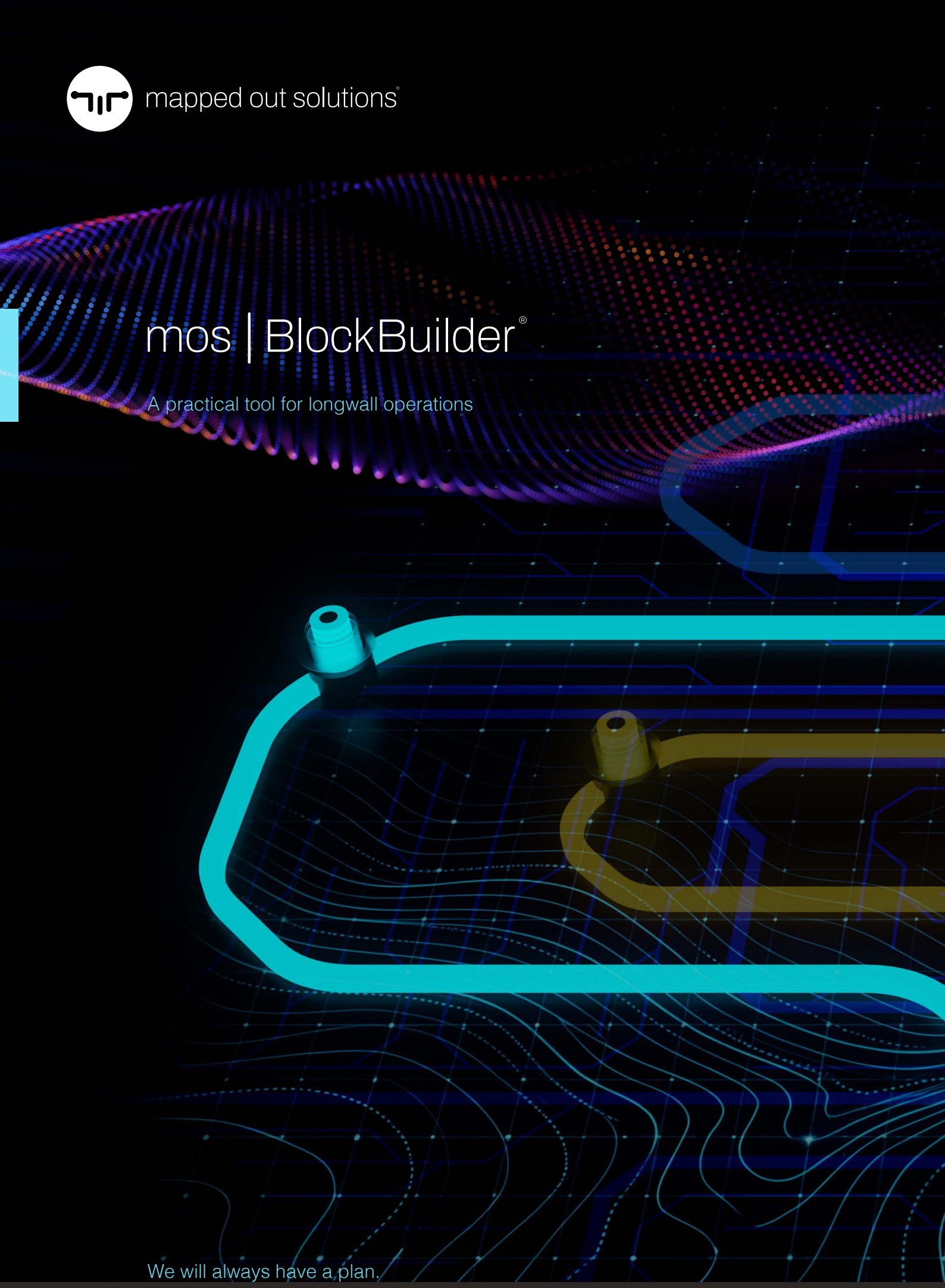
mapped out solutions®

mos | BlockBuilder®

A practical tool for longwall operations



We will always have a plan.

Product status: In production

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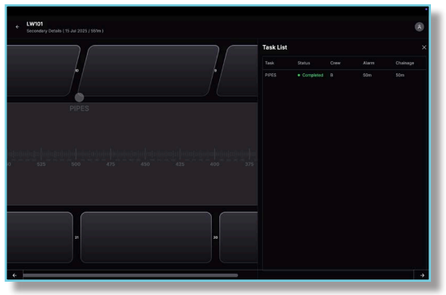
At Mapped Out Solutions, we understand that effective planning is the backbone of successful longwall mining. That's why we developed BlockBuilder as a software solution designed to assist Longwall superintendents and their teams in organising their operations, tracking progress, and preparing for what's ahead.

What mos | BlockBuilder® offers

BlockBuilder is built to address the real challenges of Longwall mining by offering a straightforward, centralised platform. It helps you plan activities, monitor key metrics, and maintain equipment without unnecessary complexity.

Here's how it supports your operation:

- **Clear organisation:** Map out your longwall block in a simple, landscape-style layout that makes your retreat plan easy to follow.
- **Proactive approach:** Keep track of maintenance needs and resource use to reduce downtime and address issues before they arise.
- **Real-time insights:** Stay informed with up-to-date task tracking and performance data to guide your decisions.



The retreat plan laid out by chainage, the way the face actually runs.

This software is about giving you practical tools to manage your operation more effectively, not just promises of transformation.

Key features for everyday use

- **Sequence control**
  The Sequence Control feature lets you plan your retreat with a drag-and-drop interface. You can position elements like cribrooms and sensors, assign tasks to crews with color coding, and input data like face chainage to generate retreat visuals automatically. Gas levels are displayed in real time to keep safety in focus.

- **Maintenance management**
  With Maintenance Management, you can monitor wear on equipment like sprockets and shearer drums. Color-coded indicators show status at a glance, and the system calculates wear projections to help you schedule maintenance ahead of time.

- **Weekly plan**
  The Weekly Plan pulls shift targets from your monthly forecast and lets you set custom rules for maintenance or operational adjustments. It's a simple way to keep your team on the same page without extra steps.

- **Pick use**
  Track pick usage easily by entering data during daily meetings. This feature keeps resource monitoring accurate and low-effort, so you can focus on allocation rather than paperwork.

- **Next block overview**
  Get a clear picture of what's coming with the Next Block Overview. It highlights upcoming tasks and resource needs, making transitions between blocks smoother and more predictable.

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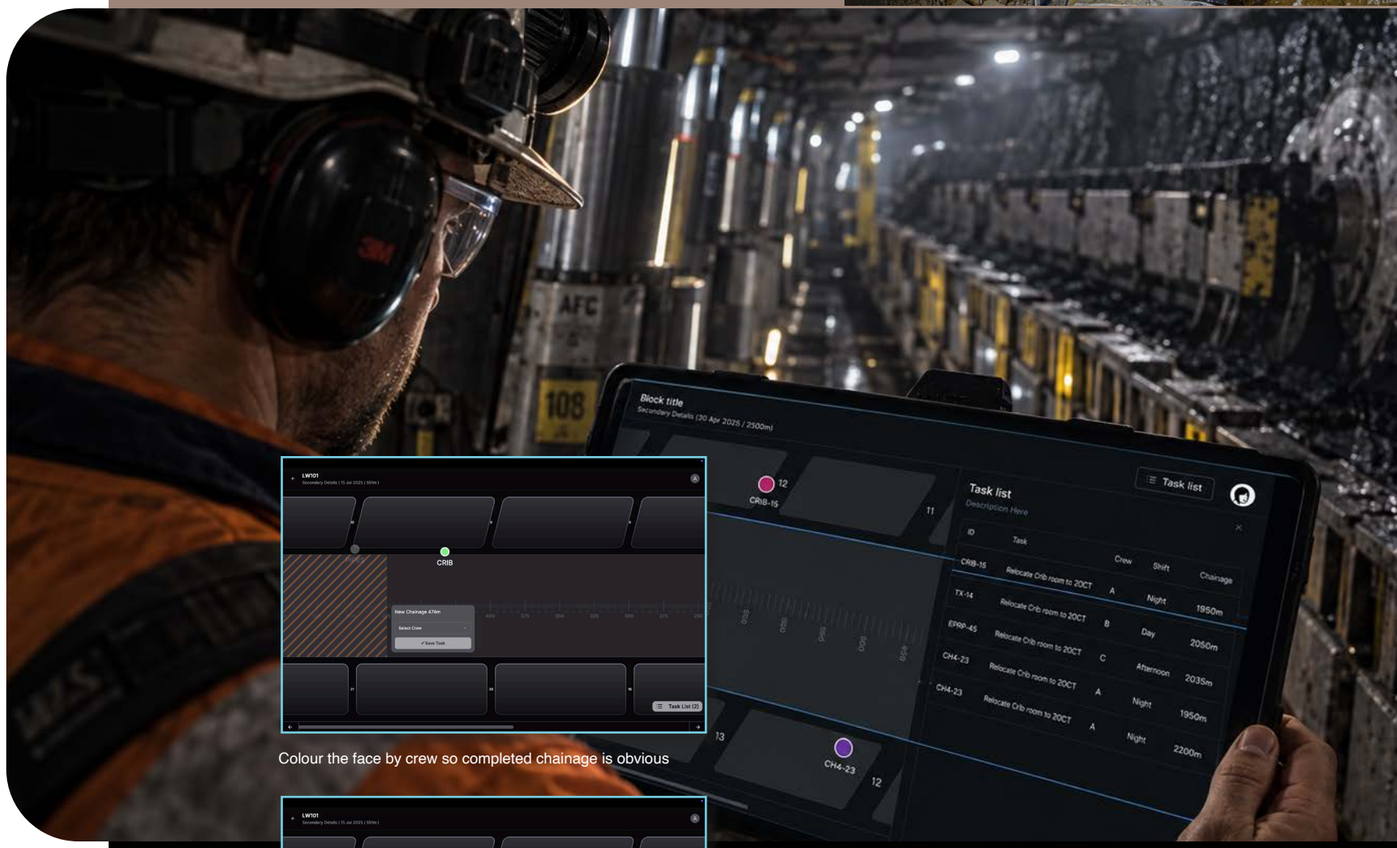
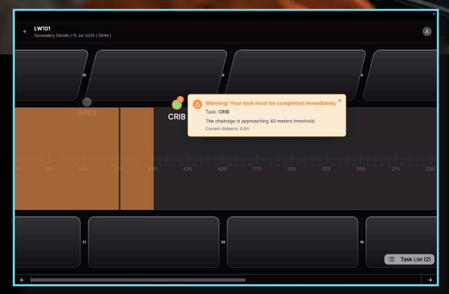
Why choose mos | BlockBuilder®

- **Easy to use:** The interface is designed to be intuitive, so your team can start using it without a steep learning curve.
- **Support when you need it:** Mapped Out Solutions offers training and ongoing help to ensure you're comfortable with the software.
- **Built for your industry:** BlockBuilder is tailored to the specific demands of longwall mining, focusing on what matters to your operation.



Colour the face by crew so completed chainage is obvious



BlockBuilder warns you before the equipment does

Planning made simple

With BlockBuilder, you're equipped to handle the day-to-day and prepare for the future. At Mapped Out Solutions, We Will Always Have a Plan and we're here to help you do the same. If you're interested in learning more about how BlockBuilder can fit into your workflow, reach out to us.

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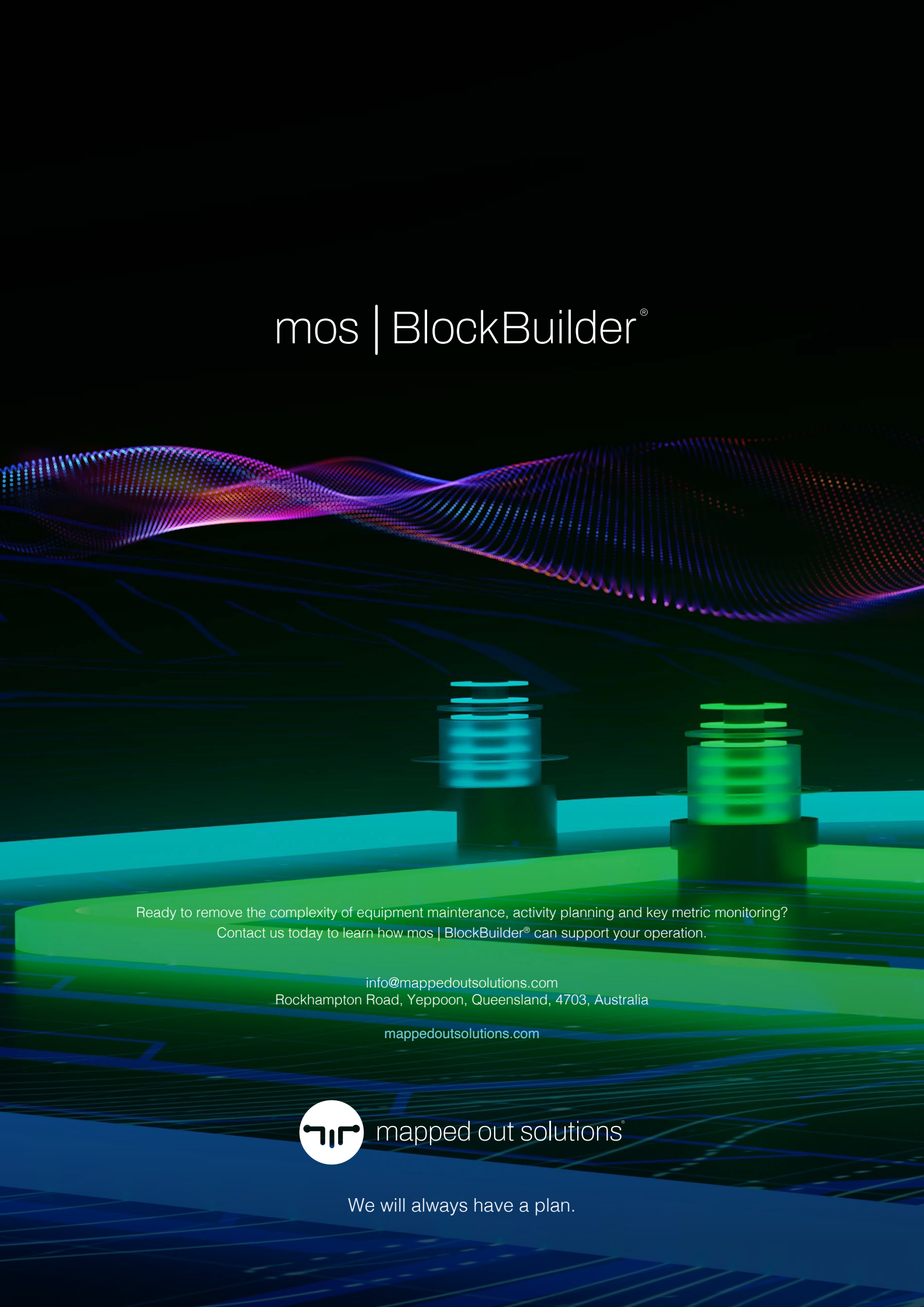

Ready to remove the complexity of equipment mainterance, activity planning and key metric monitoring?
Contact us today to learn how mos | BlockBuilder® can support your operation.

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