

# Harnessing the power of data to enhance human capabilities

Advancing decision making with insights accessed through a simple intuitively designed platform.

Trusted by the world's leading companies:







### Improve sustainability

Baseline carbon emissions and manage reductions with actionable insights.



### Reduce cost

Increase efficiency by managing fuel use, maintenance, material and rework.



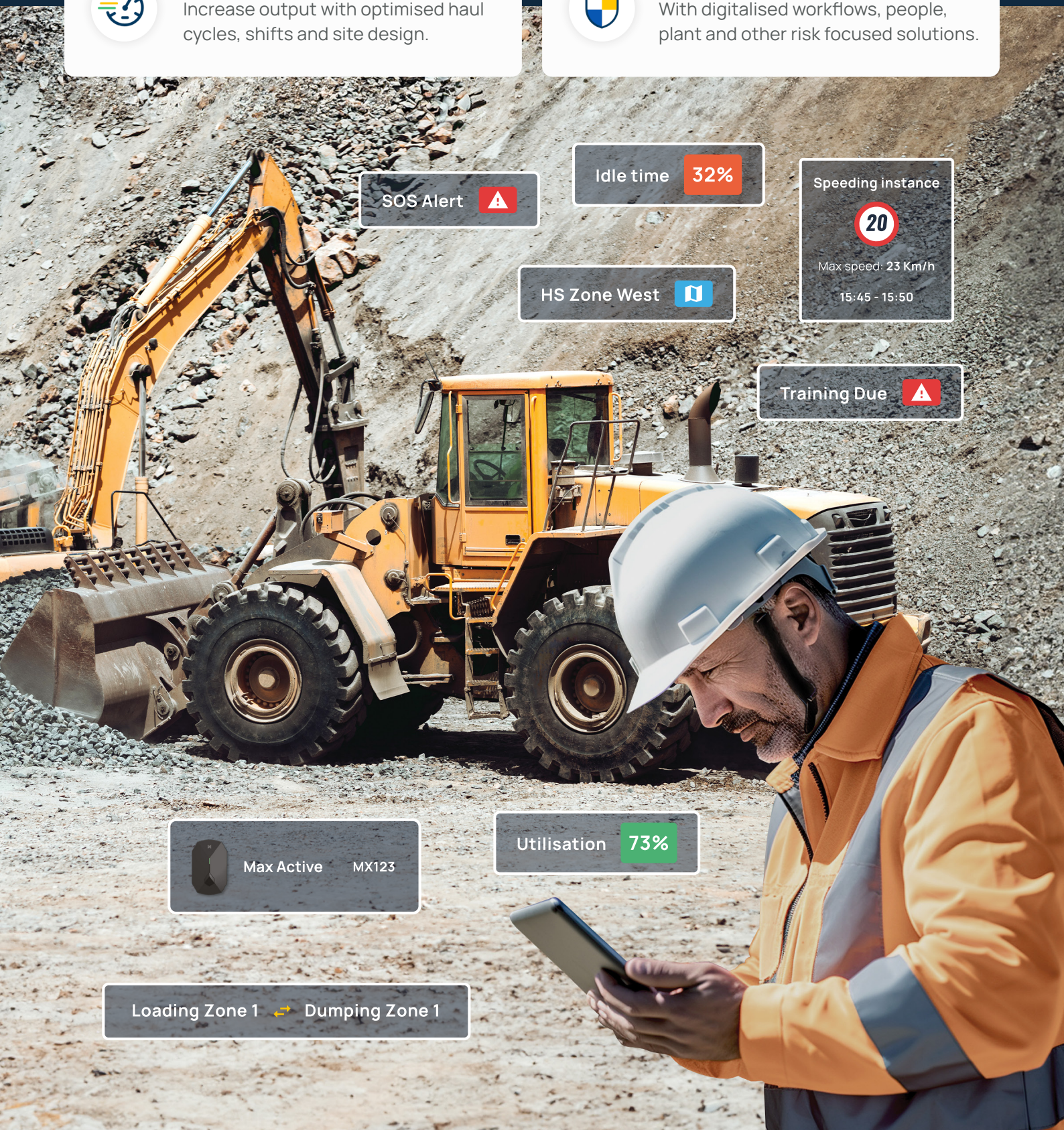
### Enhance productivity

Increase output with optimised haul cycles, shifts and site design.



### Manage safety

With digitalised workflows, people, plant and other risk focused solutions.



SOS Alert



Idle time

32%

Speeding instance

20

Max speed: 23 Km/h

15:45 - 15:50

HS Zone West



Training Due



Max Active

MX123

Utilisation

73%

Loading Zone 1



Dumping Zone 1





# Solutions

## Connectivity and integration - levelling up connectivity

Through seamless integrations, we empower businesses to effortlessly collect and harness valuable insights for optimised operations and informed decision-making.

We've established connections with leading OEMs, third-party providers, CMMS, rental ERP systems, and more. Plus, MachineMax offers custom connectors for non-standard systems, making data collection easy for B2B customers.



Providing a single-pane view of your business, site or operation connecting your data with MachineMax ensures you have absolute visibility and a single source of information.

MachineMax has over 25 OEM integrations including:

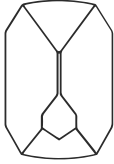


and many more



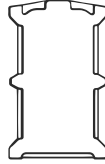
# Hardware

Our innovative hardware solutions are designed to fill the gaps where data is non-existent or insufficient. From battery powered activity sensors, to magnetic tipping devices, MachineMax has a wide range of hardware solutions to support the most complex of problems.



## MaxActive

- Wireless.
- Detailed idling and equalisation.
- Total lifetime hours.
- Cellular and LoRa connectivity.
- Suitable for underground application.
- Battery lasts for one year.



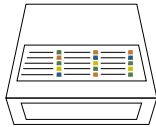
## MaxTracker

- Wireless.
- Detailed idling and equalisation.
- Total lifetime hours.
- Live GPS.
- Route analysis.
- Idling heatmaps.
- Cellular connectivity.



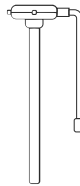
## MaxTipper

- Near real-time location and tipping amount data for dump trucks.
- Powered by 3x AA batteries (customer replaceable).
- Approximately 2 years battery life.



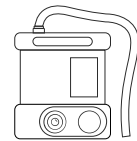
## CANBUS

- Wireless.
- Compatible with J1939CAN.
- Engine and fuel data.
- Live GPS.
- Route analysis.
- Idling heatmaps.
- Cellular connectivity.



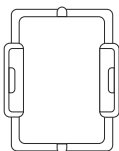
## MachineMax Fuel Sensor

- Wired and BLE.
- Tampered and leakproof.
- Fuel consumption.
- Daily fuel report.
- Fuel filling alerts.
- Fuel theft/leaking alerts.
- After location.



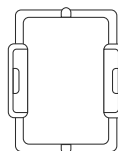
## InCab Camera

- Driver and front facing camera system.
- Live streaming.
- Driver distraction notifications.



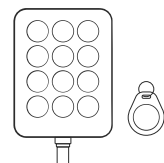
## Proximity Detection

- Track tools Location while on site.
- Two location reports (daily/ weekly).
- Request BLE gateway on site.
- Up to 2 years battery life.



## Tool Tracking

- Track tools location while on site.
- Two location reports (daily/ weekly).
- Cellular Connectivity.
- Between 2-5 years battery life.



## Access Control

- Control over who operate machinery.
- Reporting on operator use of equipment.
- Various authentication methods available.



# Solutions

## Data processing - next generation data

Data processing at MachineMax involves APIs for fluid data flow, integrated external sources, hardware-backed insights, and improved algorithms. A central warehouse structures diverse data for user-friendly utilisation, building trust with our global clients.



### API and hardware integration

APIs enable fast data access and integration of external sources, with our hardware forming a solid data processing foundation. This synergy ensures timely, accurate, and data-rich insights for users.



### Data science

We continually enhance algorithms for accuracy and relevance, earning the trust of 70+ global customers and playing a vital role in major projects. Our data science emphasises ethical data handling, with thorough impact assessments to ensure responsible insights.



### Data warehouse

Our machine cloud hosts a central data warehouse, integrating diverse data sources for the digital twin. It structures data into a unified format, tailored for different user groups, ensuring precise insights for each team's responsibilities.

# Solutions

## Digital twin

Digital twin architecture replicates your operations for efficient automation and optimisation, aiding profitability, productivity, and sustainability. Utilise versatile reporting tools to engage diverse teams and uncover actionable insights.



### Empowering decisions through data

Dynamic reporting tools engage teams, revealing insights that elevate profitability, productivity, and sustainability.



#### Command centre

Your hub for complete control and visibility of operations.



#### Dashboards

Simple and intuitive for visualising key data and engaging your team.



#### UI and Apps

Providing seamless interaction and integration.



#### Real time alerts

Stay informed wherever you are working via WhatsApp or email.

## The power of reporting

### Data wherever you need it.

Leverage bespoke reporting solutions to involve teams from different functions of your business.



Utilise the MachineMax dashboard from your phone, tablet, or computer.



MachineMax BI reporting tools provide focus to specific areas of your business or to deep dive into key metrics like emissions.



All MachineMax data can be delivered via API into a platform of your choice.





# Key features



## Equipment

Unlock the full potential of your equipment with our comprehensive solutions. Gain total visibility of your machines, generators, and tools, whether owned, rented, or subcontracted. Maximise productivity by managing routes, trips, payload, and cycle times. Optimise fuel usage while identifying operators and ensuring compliance. Streamline document control and enhance safety with certification upload and maintenance management. Additionally, take control of your environmental impact by tracking emissions and idling hours.



## People

Our adaptable solutions ensure efficient, sustainable operations, providing real-time visibility into your team's location, streamlining people flow, maintaining compliance, and preventing unauthorised access to machines and areas. Boost productivity with intuitive schedules, planners, and performance tracking tools, while simplifying document control for compliance documents like site inductions and licenses. Enhance safety by proactively identifying high-risk areas and training needs to better protect your most valuable assets.





## Safety

Safety solutions focused on protecting workers and the communities in which you operate. Designed to highlight areas of risk, reduce liability and support with compliance to regulations and best practise (for example PPE or People-Plant-Interface). Utilise MachineMax data to improve your reputation, and foster positive relationships with stakeholders by providing visibility of noise, emissions and safety data, as well as monitoring sites for trespass and speeding incidents.



## Material

MachineMax is designing a comprehensive system that tracks material movements, minimises rework, and streamlines logistics. Focused on where and what material is being utilised, teams can better plan site infrastructure. Managing material output from sites helps with spoil retention, reuse and appropriate storage and stockpile management where appropriate. From simple logging solutions to comprehensive visual AI, our solutions are designed for simple implementation and use.





# Where we work



# Our impact



“

The MachineMax solution has created the insights we now need to understand and effectively manage plant across our projects, enabling us to drive a change in behaviors and deliver a step change in environmental performance.

”



“

The MachineMax system allows us to identify the location, utilisation and fuel usage of plant on site. This allows us to identify utilisation on site and make them as efficient as possible. Secondly to monitor driver behaviour and identify training needs.

”



“

For one single machine we were able to save over £20,000 on fuel usage and maintenance and we were only aware of this through analysing the data from MachineMax.

”





# Our impact



“

We have been able to reduce our fuel usage by 25% and our idling by 3-10% just from implementing changes based of the data we receive from MachineMax.

”



“

On HS2 Euston we were able to reduce our carbon emissions by 10% through MachineMax, which is great in utilities because it is really hard to turn that engine off.

”



“

By adopting MachineMax, HZL has seen a significant improvement of 7% in the overall asset utilisation over the course of one quarter.

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# About MachineMax

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At MachineMax, we enable businesses to make proactive decisions that deliver a better, more sustainable future. By providing complete visibility and analytics from multiple data sources users can rely on our insight to improve outcomes.

Our ecosystem of insight providers are easily accessed through a simple, intuitively designed platform. The solution removes typical data silos, standardises data and provides unique intelligence to bring logic to everyday activities.

Focused on learning-based outcomes; we specialise in building secure and cutting edge products that solve daily challenges and improve industry practice. The result?

An industry-leading, award-winning approach to managing heavy equipment fleets and the environments in which they work.



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## Contact Us

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