

HEAVY MACHINES

CHALLENGES IN TODAY'S WORLD

There are 15 million heavy machines out there with vast areas of implementation from mining to construction and more.

The machines are characterized by their large size, that require one **operator** who needs to be very skilled in operating the tool while keeping a constant eye out for safety hazards, all alongside a widespread shortage of skilled manpower.

The **managers on site** are worried about safety while trying to optimize the usage time of the tool while the **upper management** is concerned with optimization of the workforce including the machines and the operators.

Although the worry and need are evident, there exists no relevant tool which can help to detect safety issues in real-time, work to optimize the use of the vehicle and make sure reports are being produced, presented, analyzed and acted upon.

UNTIL NOW



THE WAY WE SOLVE IT

INTSITE developed a sophisticated platform that equips **new machines** and is **retrofitted** to old ones. The solution already exists in the market and provides a simple and cost-effective solution.

With a **simple hardware** with very short **downtime** for installing on the machine, use of perceptive **computer vision**, advanced **algorithmic science** and **artificial intelligence**, combined with a vast database for learning, INTSITE allows companies with heavy machinery fleets, spread across various sites, to overcome these issues.



INTSITE is tailored to provide valuable information to the most important on-site personas: the machine and operator, the on-site manager and the upper management. The solution employs real and subjective data from the site and allows for real-time dealing with safety issues both in and around the machine, receiving immediate actionable insights about what is happening on-site, and allows for decisive action as well as on-going machine and fleet optimization.

To the machine operator and workers around the machine:

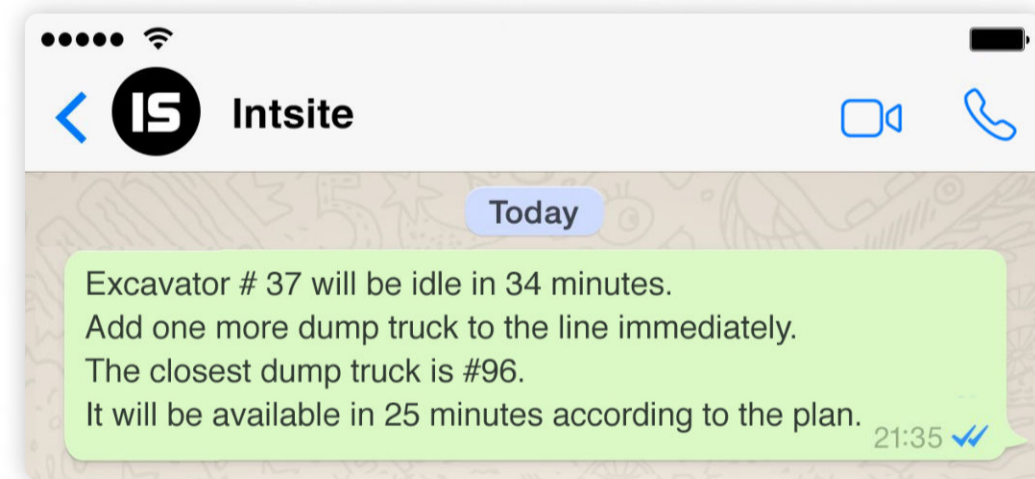
It gives real-time safety alerts.
[See more in this video](#)

To the on-site management:

it provides automated actionable alerts to site team's mobile phone about specific events and incidents.

To the upper management:

It provides business insights composed of factual data and results of actions taken.



Available on:



All of this value in a extremely cost-effective model that provides a positive ROI almost immediately, as well as a significant reduction in safety incidents.

WHEN USING THE INTSITE PLATFORM YOU WILL GET:



Significant **increase in fuel efficiency** due to the better steering, balanced acceleration of the machine and soil properties identification



Immediate **increase in productivity** and knowledge of what is going on with the machine operation, idle times and other events thanks to on-going, real-time push notifications to the on site management team.



Immediate **reduction in safety events** by giving real time alerts to the machine operator and on-site management without disturbing their on-going work.



On going optimization of the fleet and staff throughput and output by way of management reports showing the machines' performance.

At INTSITE, we do not stand still as we continue to find better solutions and improvement. Our future plans include elements such as: autonomous loading and autonomous hauling. With these capabilities, those which implement INTSITE solution will gain additional major benefits such as: 24/7 operation, increased safety that will allow you to continue to control your worksite

For more information please contact

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