

# WEIGH TO GO

AN ONBOARD WEIGHING SYSTEM THAT DOUBLES AS A COMPLETE REAL-TIME PAYLOAD MANAGEMENT SOLUTION MAKES WEIGHBRIDGES OBSOLETE WHILE CONVENIENTLY HANDLING DATA AND MAXIMISING EFFICIENCY

Integrating a touch-screen and an innovative operating system from VEI to provide a powerful solution and simplicity of use, the Helper 21 is not only a weighing system but a complete payload management solution. Combined with a modern, user-friendly interface, it delivers state-of-the-art technology – some of the most advanced there is – within the off-highway industry.

Manufactured with the most modern electronic components available, the Helper 21 conveniently manages the workflow for operators, and is able to connect wirelessly with a remote location for real-time data processing.

Vehicle payloads on modern sites are increasingly being linked to other vital management data which are part of the business logistic. These must be analysed and optimised in terms of reducing costs and increasing profits per transported tonne.

Helper 21 helps in the processing of:

- Weight;
- Customer name;
- Carrier name;
- Destination name;
- Project ID;
- Order number;
- Product name;
- Price;
- Driver/machine ID;



- Simultaneous blends management;
- Axle weight management;
- Truck plate identification;
- Driver's ID password lock.

With the Helper 21 loader scale approved for sales purposes in the European Community, customers can now count on a portable four-wheel legal scale anywhere material loading and sales are occurring.

Helper 21 is not only a weight indicator – it also handles databases such as customers, products, carriers, destinations, vehicle plates and much more. Loading operations can then be recorded with all the information now needed for materials handling and invoicing purposes.

With the printing out of a CE delivery note, Helper 21 becomes a leading product in payload management, and a must in



Trackweight sending data to VEI server and collecting data from the internet

dramatically reducing materials handling costs and time – a weighbridge at the site exit can now be replaced by Helper 21 mounted on the loader.

With Trackweight connected to this innovative onboard weighing unit, the loading data is sent to a central location accessible via internet in real time. Data can therefore be made available for invoicing as soon as the truck leaves the loading site, even though that office may be hundreds of kilometres away.

### Wireless communication and ipot software

ipot is the VEI software used for analysis of payload data. Whether using the USB ikey or wireless communication, all data is stored in one master database. From ipot, data can be exported to the invoicing software and different reports can be obtained from it. An automatic printout can be delivered to a remote office laser printer directly from the vehicle.

Printouts produced in the loader's cab can also be eliminated – with its wireless communication, the Helper 21 can produce the printout in the nearby site office, meaning the truck driver conveniently finds the delivery docket right at the exit of the site.

Trackweight brings live loading data directly from the loading machine into the office computer. In fact, with data being sent to the internet directly from the loader, it can then be collected from any computer in the world.



Dumper Load onboard weighing unit

With such advantages, this VEI product delivers an industry revolutionary step towards real-time payload data management from a central location. The central office receives real-time payload data from each remote site so that data can be made available for the invoicing process. In this way, the on-site delivery notes management and their inputs into the invoicing software can be eliminated right away; a great deal of time and accuracy of data are incontrovertibly gained, eliminating human errors and office paperwork.

With the legal-for-trade Helper 21 scale on the loader and Trackweight products, the operator can manage sales directly from his loader, eliminating the need for a stationary weighing bridge or

an office at the exit of the site. Invoices can be produced in real time with the client's loading.

### Productivity monitoring with onboard dumper scale

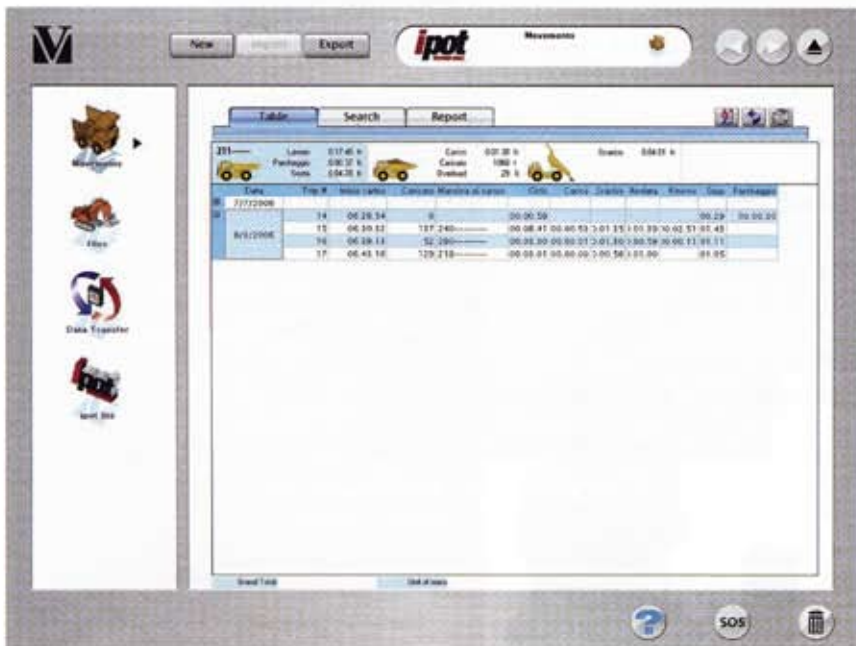
The Dumper Load payload monitoring system for off-highway rigid dump trucks was developed directly on opencast sites to perfect the instrument's inherent operating and automation characteristics. Integration of the instrument into dumper work cycles makes productivity monitoring much easier and more precise.

Versatile and fully automatic, it ensures that the dump truck is used in compliance with its design standards. Preventing overloading results in lower maintenance costs and tyre wear; no minor considerations when managing a dumper fleet. The instrument is also capable of remote transmission of load status in order to optimise the distribution of the fleet within a mine. Proper distribution of the fleet cuts down on unproductive waiting times and assists decision-making with regard to its replacement. It is clearly an indispensable tool that ensures reliable data with no question marks.

Fully automatic, without the need for human intervention, it provides a programmable maximum load for production monitoring and control, axle weight monitoring to prevent overload and safeguard tyre wear, and loading machine payload and production monitoring to display the transported quantity and cost per tonne evaluation. With loading indicator lights, loading/unloading cycle management, and a Dlogger port for pocket-size data memory or real-time wireless data transmission, it also enables the monitoring of loading/unloading cycle times.

With ipot mine payload management, each dumper is controlled from the time it is switched on until it is parked at the end of the shift. Details of the loading and unloading, as well as the trip times, are provided in order to optimise the mining traffic and production. **IVT**

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ipot mine: dumper productivity management software

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