



Quality, Innovation & Customer Support

SMART KIT

WHO ARE WE?

Hyva has been operating in the transportation solutions industry for 40 years, from the establishment of a small business in 1979 in the Netherlands, Alphen aan den Rijn, to a multinational company operating worldwide.

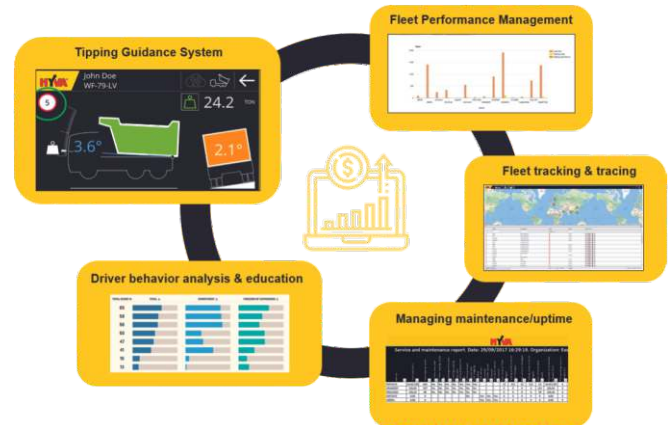
Started its operation in India in 1996 and now spread its wings to 4 manufacturing plants - Navi Mumbai, Pune, Bangalore, and Jamshedpur.

HOW DOES SMART WORKS?

Hyva Smart is a sensor-based monitoring system that adds intelligence to tipping vehicles, providing information and warnings to the user to make tipper operation safer and more efficient. It sends position information and tipping data to a Cloud system to enable live tracking of tippers and various reporting on historical tipping data.

The system is compatible with Hyva front end cylinders in Mining, Construction and Transport applications. It is available for both rigid trucks and tractor-trailers.

Supported on Android operating system, it is available in multiple languages and, in both Imperial and Metric calibration. Additional analogue sensors can be added to the system and their outputs will display in the Smart phone, for instance, proximity sensors for sheeting system or rear door position.



Features - for the fleet owner

- Tipping truck location and history routes
- Fleet analysis pages (for example: overview with bar graphs to compare different trucks with each other)
- Tipping truck trip data (for example: how much has been unloaded and where was it unloaded)
- Management reports (Showing performance and maintenance information in table format)

Features - for the driver

- Warning for dangerous side load angle (first alert and then danger warning) and warning for overload
- Payload indication, body empty indication and tipping summary.
- Statistics with amount of load and tipping cycles per day and total lifetime
- Maintenance information and warnings (air filter replacement, return filter replacement, cylinder oil change, bush replacement and bush greasing).
- Designed for day and night 24/7



Hyva Smart aims at -



SAFER

Greater safety for drivers and protection of tipping vehicles is achieved through better informed drivers, increased driver comfort and fewer accidents.



REDUCED MAINTENANCE

Better payload management, safer loads, fewer unplanned breakdowns and better preventative maintenance schedules help to realise an overall reduction in maintenance,



INCREASED EFFICIENCY

Better equipment optimisation and utilisation, better payload management, and reduced maintenance and downtime costs all contribute to increased fleet efficiency.



LONGER LIFETIME

More efficient operation, improved service and maintenance schedules, and knowledge of driver behaviour all contribute to longer life of assets.



IMPROVED PRODUCTIVITY

Improved operating features such as load management and sticky load indication contribute to time saving and better utilisation.



BETTER COMPLIANCE

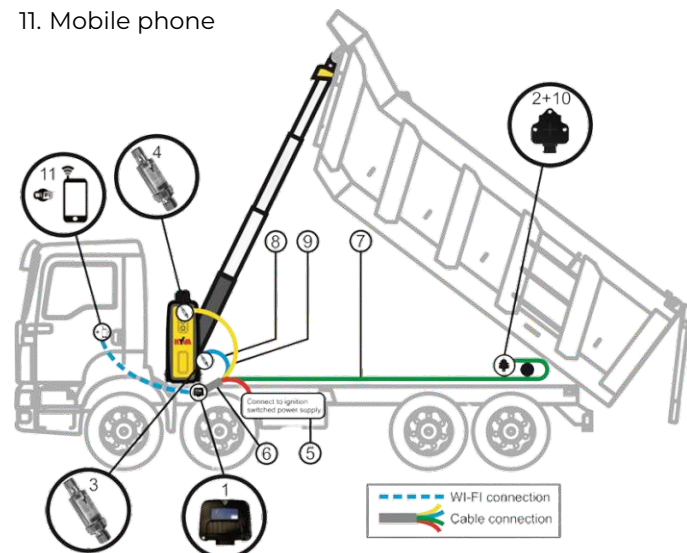
Easier compliance with local regulations due to better control of overloads and recorded evidence of safe operation.

General Specification:

PARAMETER	RATING	UNIT
Operating temperature	- 40 to + 80	°C
Power consumption	3.5	Watt
Supply voltage	10-30	Vdc
Measuring range tipping	± 15°	Sideload indicator
	70°	Tipping angle
	10°	Forward lean
Ingress protection	IP67	-

Smart Kit Components:

1. I/O controller
2. Inclination sensor
3. Cylinder pressure sensor
4. Cable power supply
5. Return line filter sensor
6. Cable I/O module adapter (35 pins)
7. Cable extension inclination sensor
8. Cylinder pressure sensor cable
9. Return filter pressure sensor cable
10. Inclination sensor bracket
11. Mobile phone



NOTE: The Wi-Fi name (SSID) of Hyva Smart is by default named as IX_ ("Mac address"). The Mac address is the 12 numbers and letters code of the I/O controller, labelled on the outside.

110 countries
+3,500 employees
20,000 customers
+30 subsidiaries
14 production facilities



Hyva is a leading provider of innovative and highly efficient transport solutions for commercial vehicles used in transport, construction, mining, materials handling and environmental service industries.

Founded in 1979 in the Netherlands, the company has a global presence with more than 30 wholly owned subsidiaries, extraordinary service coverage and 14 manufacturing facilities in Brazil, China, Europe and India.

For more information on Hyva, please visit www.hyva.com

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Quality and
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DEALER STAMP