




MAVTECH TECHNOLOGIES
INTERNATIONAL LIMITED.

TYRE PRESSURE CONTROL SYSTEMS (CTIS)



TYRE PRESSURE CONTROL SYSTEMS ^{CTIS}

Discover Mavtech's vehicle automation solutions, engineered to meet your unique needs with precision and innovation.

The Mavtech Tyre Pressure Control System ^(CTIS) automatically adjusts tyre pressure for optimal performance in any condition. By adapting to various terrains, Mavtech's TPCS extends tyre lifespan, minimises downtime, and saves on costs, making it a reliable and essential solution for enhancing vehicle performance across all environments.



How can this benefit your commercial operations?
Optimised tyre pressures tailored for all terrains and loads

Our systems optimise your vehicle performance to adapt to any condition & terrain.

Mavtech offers a wide range of off-the-shelf and standard system solutions. Where standard solutions do not meet your needs, we are well positioned to develop and implement systems to meet any unique requirement.

Mobile vehicle-mounted electro/pneumatic systems form the basis of our current portfolio and include implementation in a wide range of vehicles in the agricultural and commercial industries.

TYRE PRESSURE CONTROL SYSTEMS ^{CTIS}

Applications



AGRICULTURE



SEARCH & RESCUE ORGANISATIONS



RECREATIONAL



CIVIL ENGINEERING



MINING



ROAD FREIGHT

CTIS

TYRE PRESSURE CONTROL SYSTEMS

TYPICAL VARYING TYRE FOOTPRINT:

Road

Off-Road

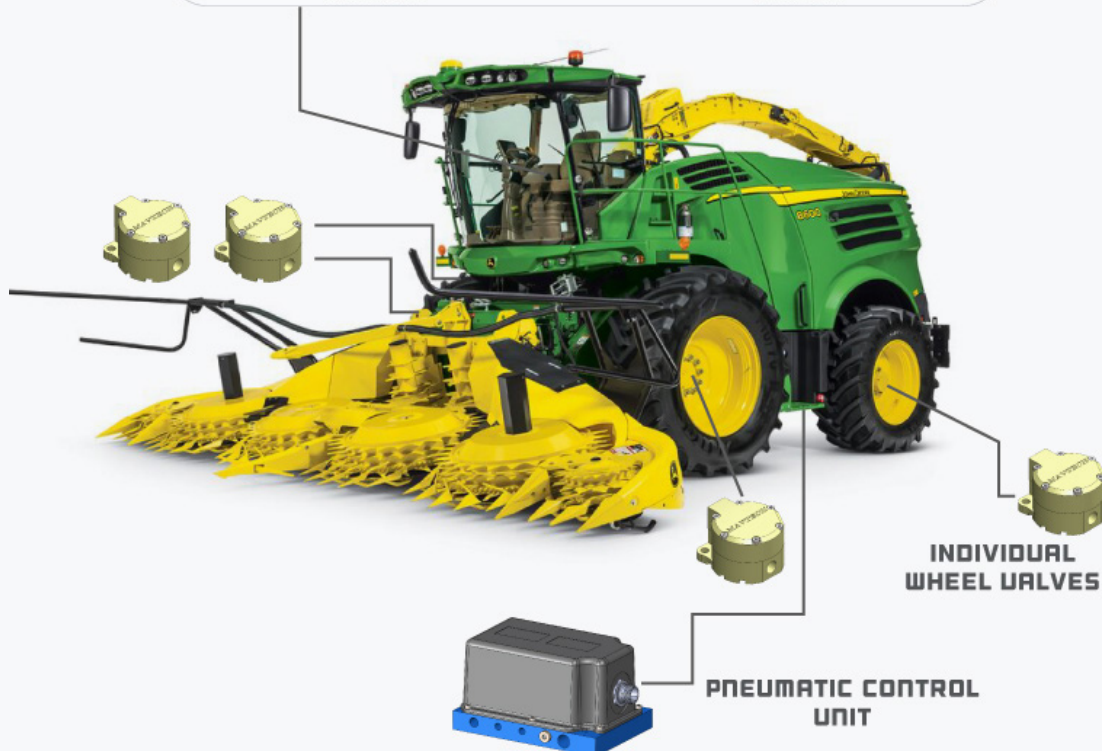
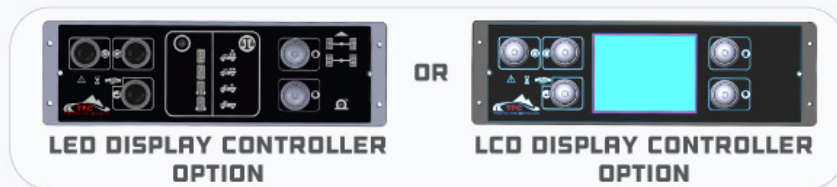
Sand

Emergency



VEHICLE MOBILITY	COMFORT & SAFETY	BENEFITS
<ul style="list-style-type: none"> • Correct pressure for challenging terrains. • Correct pressure for various speeds. • Correct pressure for various loads. 	<ul style="list-style-type: none"> • Detection & compensation of leaks. • Improved passenger comfort on rough terrain. • Improved handling. 	<ul style="list-style-type: none"> • Increase fuel efficiency. • Increase tyre life. • Reduction of damage to land roads and trails (Compaction/Rutting) • Decreases driveline wear.

DRIVER'S CONSOLE OPTIONS



CTIS

TYRE PRESSURE CONTROL SYSTEMS

PRODUCT OVERVIEW & FEATURES:

DRIVER CONTROL CONSOLE OPTIONS (LED OR LCD DISPLAYS)



LED Display Controller Option



LCD Display Controller Option

- **Four terrain selections (Software Adjustable):**
 - » Road
 - » Off-Road
 - » Sand
 - » Emergency
- **Four load selections (Software Adjustable):**
 - » Full
 - » $\frac{3}{4}$
 - » $\frac{1}{2}$
 - » Empty
- Overspeed monitoring and alert function
- Blackout function / Blackout Mode
- Detects and compensates for punctures in addition to alerting the driver
- High frequency tyre check feature
- Over Speed Alarm feature
- 9-32 VDC Power Source
- Software updates via USB and latest version Window based software
- Day / Night Mode
- Fault Indication
- Communications error Indication

CTIS

TYRE PRESSURE CONTROL SYSTEMS

PRODUCT OVERVIEW & FEATURES:

PNEUMATIC CONTROL UNITS

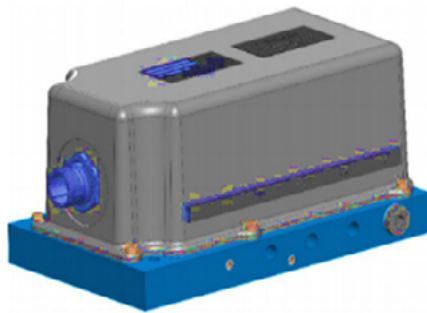
Pneumatic distribution units are available in either hardwire or CAN-Bus communication SAJ 1939.

Features:

- 4x4, 6x6 and 8x8 Pneumatic Manifolds
- Military Connector
- Single air supply entry
- Individual Tyre pressure management.
- Air Management feature. (Air Brake Priority)
- IP 68



4x4 Version



6x6 Version



8x8 Version



CTIS

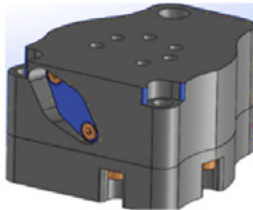
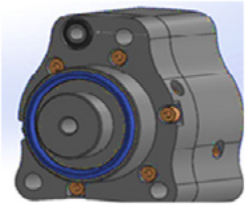
TYRE PRESSURE CONTROL SYSTEMS

PRODUCT OVERVIEW & FEATURES:

WHEEL VALVE

- Multiple wheel valve configuration with a variety of interface options that will allow you to adapt to steel or aluminium rims.
- Closed wheel valves will allow to remove wheels without them deflating.
- Rotary wheel valve available for unprepared axels, suitable for logistic and recovery vehicles.
- Fixed Aluminium rims wheel valves

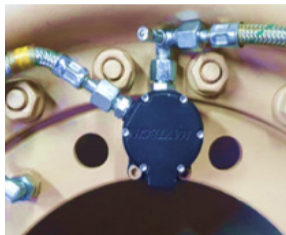
- Fixed Aluminum Wheel Valve:



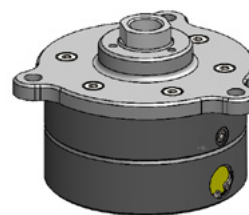
- Axle Mounted Wheel Valve:



- Steel Rim Wheel Valve



- Rotary Wheel Valve



CONTACT US

HEAD OFFICE: +353 89 984 9163

EMAIL: info@mavtechinternational.com

ADDRESS: Caher, Castlerea, Co.
Roscommon, F45 YH66, Ireland