



# SOLUTIONS FOR DUST AND DEBRIS SUPPRESSION





## A PERFECT PAIRING



Sprinklers can operate in harsh outdoor environments and conditions to prevent dust from blowing around.

They are very effective in many different **industrial and recycling** applications **suppressing dust** from coal, quarry, cement, ash and many others.

Using high performance sprinklers in conjunction with a responsive automation system is the best solution for dust suppression; you can deliver the right amount of water while reducing the labor requirements.

Their ability to deliver large amount of water in short period makes **Perrot P2-M piston drive sprinklers** the preferred emission devices for dust suppression applications.

Available in both fixed (25°) and adjustable (15°-47°) trajectory models, all the models have adjustable rotation speed (from 2 up to 7 minutes) and a long throw (up to 69 m) to meet the most demanding watering needs.

Using pioneering LoRa radio technology, **Toro Tempus® Air** allows you to you create a fully automated water delivery solution – all without wires.

Connecting to wi-fi or a secure broadband cellular network, it brings a wide range of data and functions direct to your device, improving your ability to monitor field conditions and **react to changing conditions**.

**EXAMPLE OF DUST SUPPRESSION SYSTEM\*  
FOR COAL STOCK, MANAGED BY A CENTRALISED  
TEMPUS® AIR SYSTEM CONSISTING OF:**

**TEMPUS® AIR RS4**

1 4G-LoRa™ Gateway to manage the controller (CT), multi sensor (MS) and pressure sensor (PS) modules



**TEMPUS® AIR CT**

N IP68 battery-powered controllers, each to control 1 DC latching solenoid hydraulic valves



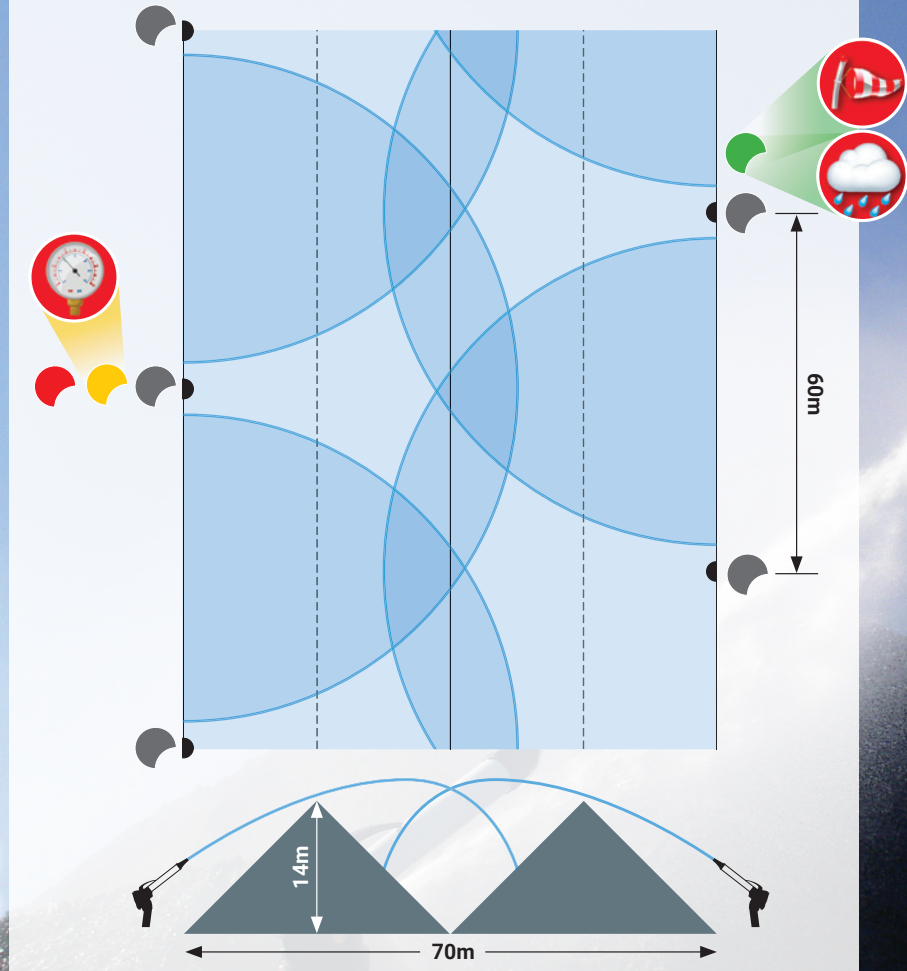
**TEMPUS® AIR MS (S4)**

1 IP68 battery-powered multi-sensor module, to read the data detected by wind and pluviometer sensors



**TEMPUS® AIR PS**

1 IP68 battery-powered pressure sensor module, to monitor the correct operation of the system at all times.



\* Hydraulic valves are supposed to be operated by DC latching solenoids.

**NO WIRING ALL MODULES ARE BATTERY POWERED**

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