






The ventilation journey: Ventsim™ CONTROL

Step by step approach. Start small and adapt to your operation needs.

Step 1  Manual control	Step 2  Scheduling	Step 3  Flow and gas control	Step 4  VOD with tracking control	Step 5  Optimisation
Operational effectiveness and safety	Energy savings \$\$\$	Production gains from blast clearing optimisation + safety	Production gains from improving airflow management + energy savings \$\$\$	Energy savings \$\$\$\$
Ventsim model visualisation with the simulation of airflow in real-time including:	+ All the features from Step 1:	+ All the features from Steps 1 & 2:	+ All the features from Steps 1 to 3:	+ Add on to Step 3 or Step 4:
Visualisation of sensor data on the Ventsim model.	Programmed events to change the speeds of the fans.	Automatic control mode where the operator specifies a flow and/or gas set point.	Flow set point calculation based on tracking data.	Use of advanced control strategies to obtain an optimal airflow distribution in the mine to decrease energy consumption.
Brand new: Fire simulation on live model with escape routes.			Upcoming feature: Tagging and tracking system visualisation on a 3D model including contaminant simulation using the vehicle data.	
Brand new: Gas simulation using gas sensors inputs.				
Upcoming features: Blast clearing and heat simulation.				

To speak to our experts and access the unlocked value with Ventsim CONTROL™, contact: ventsim@howden.com

Revolving Around You™

For any of the licenses, you can connect an UNLIMITED number of environmental sensors.

For more information on how Ventsim CONTROL™ works and it's benefits, watch this video: howden.cloud/VentsimcontrolIRFQ