

The ventilation journey: Ventsim™ CONTROL



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

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

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