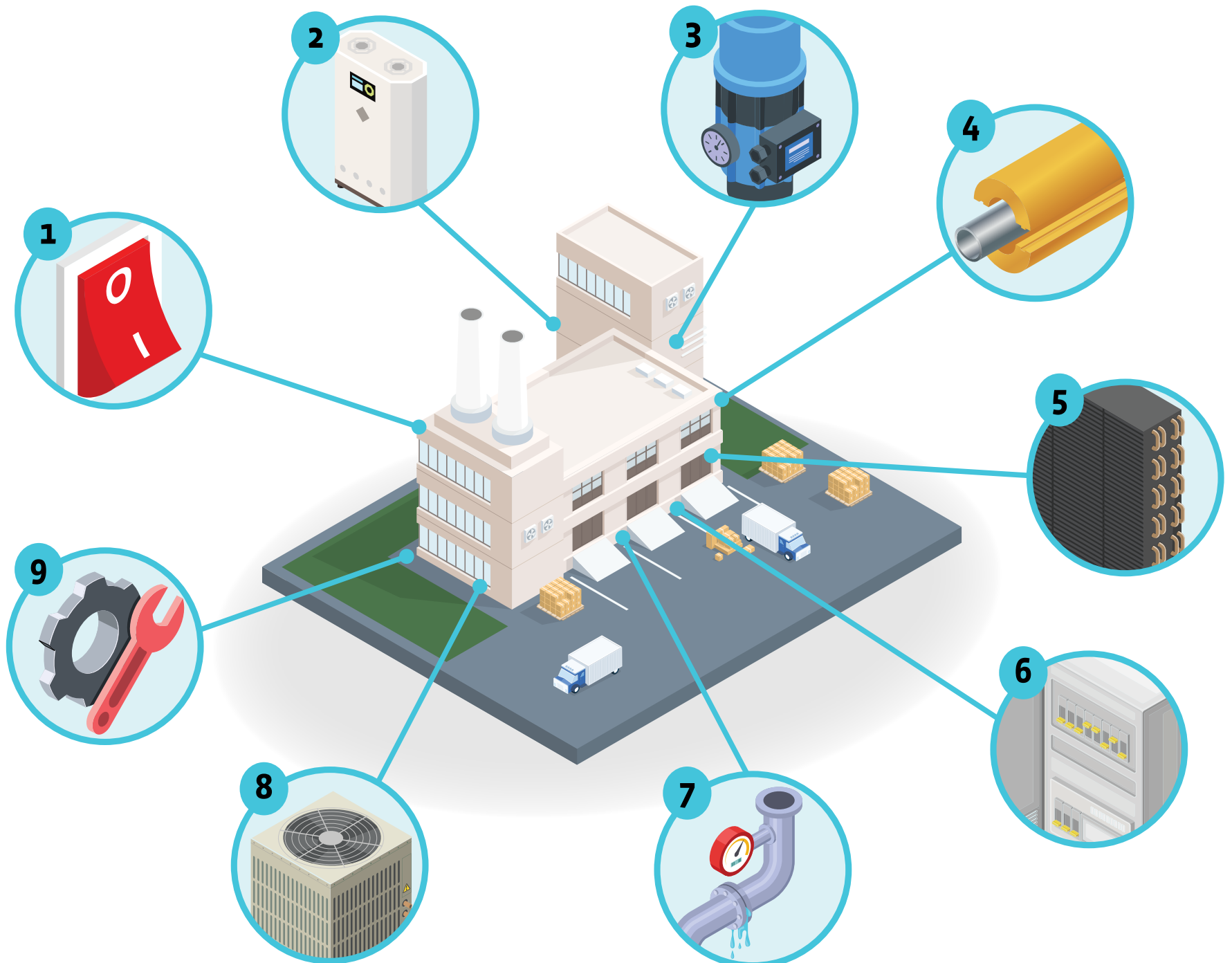


SMALL MANUFACTURING ENERGY-SAVING TIPS

There are many no- and low-cost steps you can take to reduce your energy consumption and control costs. Some upgrades are eligible for cash incentives from Energy Trust of Oregon.



1 Turn equipment off when not needed

2 Tune dust collection and air abatement

Reduce flow to mitigate excess exhaust and schedule for times of use.

3 Optimize pressure and flow reduction

Minimize to the lowest effective pressure and flow. Applicable for compressed air, pumped liquid and blower systems.

4 Improve insulation

Preserve heat within hot water, steam lines, process equipment, building shells, etc.

5 Clean HVAC, refrigeration condenser and evaporator coils

Improve heat transfer by reducing contaminants such as dirt, scale and cottonwood fiber.

6 Automate lighting controls

Schedule lighting during operating hours, and if possible, install motion and occupancy sensors.

7 Fix leaks and minimize open blows

Leaks and open blows can occur within: air compressors, refrigerated spaces, and building shells.

8 Optimize HVAC settings

Raise cooling setpoints and lower heating setpoints in the building during operating hours and optimize economization, balance incoming and outgoing airflow.

9 Repair and replace steam traps regularly

Keeping up with maintenance is important. Damaged steam traps waste heat and add strain to boiler systems.

Learn more about cash incentives for small manufacturing improvements, visit energytrust.org/industry