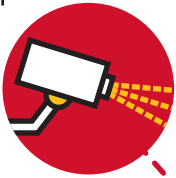


How foundries can save energy when melting and transferring aluminium

Check your shaft fill is optimized

Shaft melting furnaces are the most energy efficient option for aluminium foundries. Making sure they are optimally filled can lower energy use even more and improve metal yield



Automate

Cut consumption by **up to 4%** by using a shaft scanner to automatically optimize filling



Block escape to keep the heat

Covering the shaft during periods of free-melting can reduce energy consumption by **up to 15%**



Check charge mix

An equal split of returns and ingots ensures the best filling condition



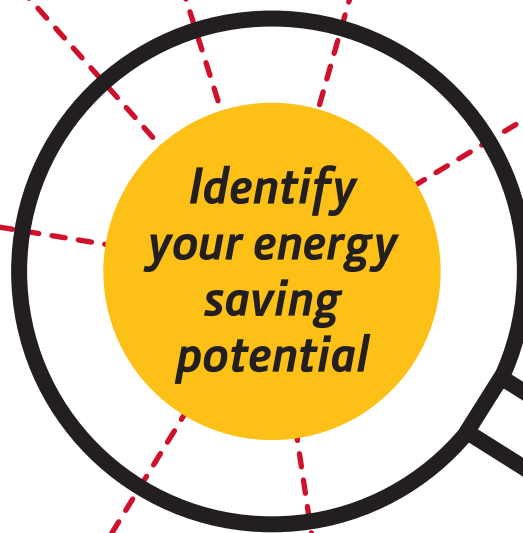
Make sure short melting periods don't drain your energy

During low utilization, optimizing part load efficiency with longer melting and holding periods can reduce energy consumption by **up to 20%** and improve metal quality



Cover up with metal transfer and dosing

A closed liquid aluminium holding and dosing system can cut energy consumption by **up to 66%**



**Identify
your energy
saving
potential**

Maintain your way to savings

Keeping on top of maintenance can have a dramatic impact on energy consumption. Even 'small' things can add up to savings



Maintaining the rope seal on furnace doors

This can generate an energy saving and prevent oxidation



Burn better

A well-adjusted burner with a near stoichiometric air fuel ratio can save **up to 2%** of energy compared to a burner with too much air-surplus