

# CONSTEEL EVOLUTION™

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Tenova Melt Shops  
presents the ultimate  
technology for the  
steel industry

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# CONSTEEL EVOLUTION™

## Take your next step towards perfection

20 years on from its invention, Consteel® – the revolutionary system of continuous scrap feeding and pre-heating – is now Consteel Evolution™: the forefront technology providing maximum productivity with minimum environmental impact. The new system subdivides the pre-heating tunnel in two sections: the first contains high-efficiency burners while the second

completes the combustion of the off-gas leaving the furnace. The two gas flows merge in an intermediate section, where they are extracted at high temperature.

**Consteel Evolution™: the technology you were waiting for.**

## DISCOVER WITH US THE BENEFITS OF CONSTEEL EVOLUTION™

### Save energy

The efficient use of pre-heating burners and the optimization of the off-gas chemical energy significantly reduce energy consumption.

### Increase your productivity

Scrap pre-heating is more powerful, increasing the scrap feed temperatures thus reducing tap-to-tap time.

### Reduce emissions

The merger of two off-gas streams prevents the temperature from falling below 800°C. Pollutants are destroyed.

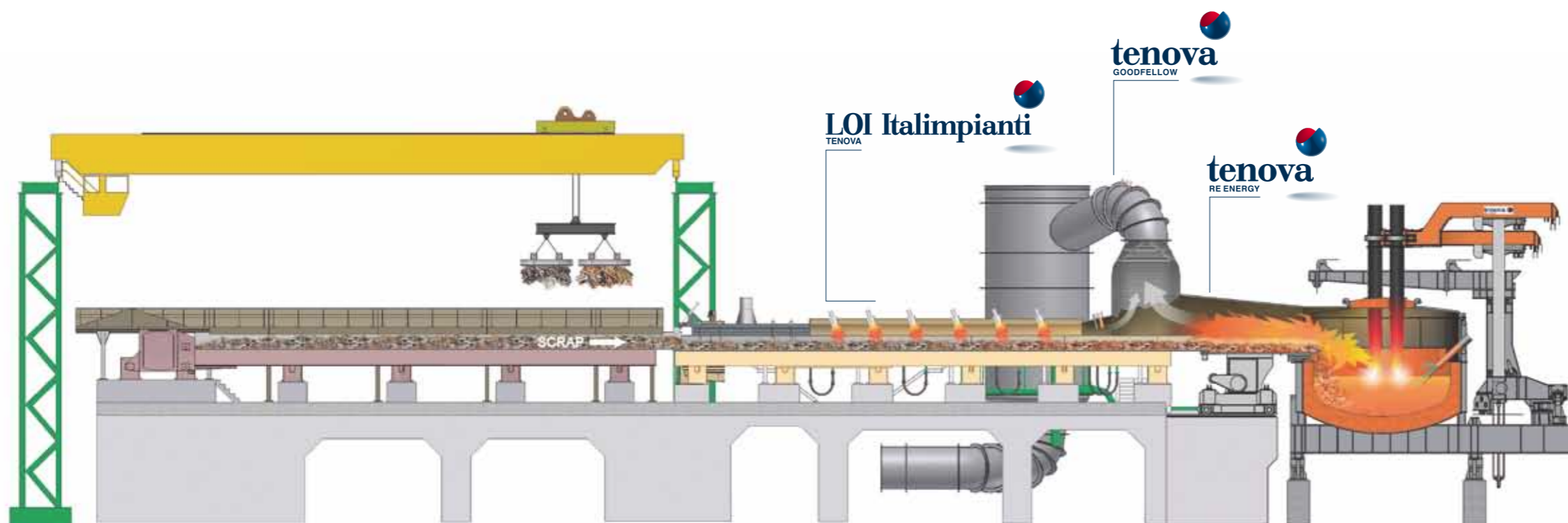
### Stabilize off-gas temperature

The stabilization of the off-gas temperatures provides the operating conditions for a significant heat recovery system.

### Cut production costs

The best use of chemical energy, combined with a significant reduction in consumables and optimized pre-heating, leads to considerable cost saving.

### Be environmentally friendly with Consteel Evolution™



Consteel Evolution™ belongs exclusively to Tenova Spa. Patent Pending.

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