

SUSTAINABLE HEATING TECHNOLOGIES SUMMIT

Energy Transition Solutions in Hot Rolling and Heat Treatment Furnaces

Agenda

Registration and welcome coffee: 09:30, Demetra Building

Conference: 10:00

Moderator: Francesca Morandi, Content Manager, siderweb

Part 1

TENOVA VISION FOR THE ENERGY TRANSITION OF THE STEEL INDUSTRY **The stepwise approach to decarbonization of heating processes**

Welcome

Roberto Pancaldi, Ternova CEO

“Techint Group and Energy Transition”

Gianfelice Rocca, Chairman of Techint Group

“The Summit as a chance to share visions and create synergies among metals business players”

Antonio Catalano, Ternova Executive Vice President, Downstream Business Unit

“Green technologies – How Ternova can contribute to the energy transition of the metals sector”

Enrico Malfa, Ternova Research & Development Director

The challenges in decarbonizing the Upstream and Downstream processes. Ternova’s commitment and approach to sustainability. Barriers and opportunities for stakeholders.

“Ternova stepwise approach to decarbonization of heating processes”

Alessandro Della Rocca, Ternova Business Development Manager – Hydrogen

Holistic approach to the decarbonization of reheating and heat treatment processes. Assessment among different technologies for sustainability provided by Ternova and its strategic partners to meet end users’ commitments.

“Hydrogen distribution network”

Michael Melchionda, SNAM Hydrogen Technology Development Expert

New businesses focused on ecological transition: a vision for an interconnected hydrogen market. The infrastructure value chain and the European Hydrogen backbone.

Q&A session

Coffee Break: 11:15

Part 2

INDUSTRIAL APPLICATIONS FOR IMPROVED EFFICIENCY **How different technologies can contribute to energy savings**

“Future challenges for combustion systems”

Davide Astesiano, Ternova Research & Development Manager – Competence Center Reheating

Overview of Ternova burner portfolio in terms of energy efficiency, GHG and NOx emissions, and hydrogen readiness.

“The hybrid furnace technology”

Alessandro Della Rocca, Ternova Business Development Manager – Hydrogen

Guido Opezzo, Inductotherm Group Executive Sales Director

Ternova and Inductotherm vision of electrification as best compromise in terms of carbon footprint and process requirements.

“Waste Heat recovery for energy efficiency”

Enzo Chiarullo, Ternova Head of Environmental Technologies & Additive Manufacturing

Sabrina Santarossa, Turboden Sales Manager – Industrial heat recovery application

Waste-to-energy to reduce emissions for all steel producers.

“Sustainability ready to go – our thermoprocess solutions for today and tomorrow”

Christian Wuppermann, Ternova LOI Head of Research & Development and Process Engineering

Available technologies for sustainable and decarbonized processes and solutions for the heat treatment of tomorrow

Q&A session

Lunch: 13:15

Part 3

THE TENOVALAB JOURNEY

Where the automation, digital and combustion innovations take place

Towards the TenovaLAB: 14:30, Demetra Building

“The TenovaLAB Journey: future challenges for combustion systems”

Davide Astesiano, Tenova Research & Development Manager – Competence Center Reheating
From the concept to the operation of the testing facility: the story of the TenovaLAB.

Safety Brief: 14:45

Guided Tour to TenovaLAB: 15:00, TenovaLAB

Visit in small groups to the TenovaLAB, where an exhibition of burners is set up.

“Tenova Digital: Modular packages for the Digital Twin of furnaces”

Stefano Moroni, Tenova IoT Platform Manager

New algorithms and innovative AI models for higher plant efficiency, improvement of sustainability and condition monitoring for maintenance.

“Three Ingredients for successful AI projects”

Giovanni Bavestrelli, Tenova Data Science Director

Some considerations based on our experience in building artificial intelligence solutions in industrial environments

Wrap-up and Closing Remarks: 17:00, Demetra Building