

BLUAIR



CLEAN TECHNOLOGY
FOR **DECARBONIZATION**
OF STEEL INDUSTRY



I.BLU

Industries by Idealservice

THE NEW TECHNOLOGY FOR DECARBONIZATION OF STEEL INDUSTRY

Bluair is an advanced polyolefin compound that can be used in iron and steel industry as reducing agent, foaming agent, protecting agent. It can be used also as an additive in coking process.

THE ADVANTAGES USING BLUAIR ARE THE REDUCTION OF:

- CO² EMISSIONS
- ELECTRIC ENERGY CONSUMPTION
- EXPENDITURES THANKS TO A STRONGLY COMPETITIVE SUPPLY COST



BF



EAF



COKING PROCESS



DRI



BLAST FURNACE

Bluair can successfully replace Pulverized Coal Injected (PCI).

ELECTRIC ARC FURNACE

Bluair can successfully replace Pulverized Coal Injected (PCI) and coal to charge in the basket.

COKING PROCESS

Bluair improves Coke properties and by-products process quality (COG and petrol-chemical oils) in mixture with coal.

SYNGAS PRODUCTON

Bluair can undergo a process of gasification in order to obtain a hydrogen-rich offgas, suitable for DRI process and/or chemical industry.

Bluair complies with Technical Standard UNI 10667:17

MARKET EXPERIENCES

voestalpine

Voestalpine has been using Bluair for more than 10 years, I.BLU has delivered to Linz more than 120,000 tons and our volumes are increasing year by year. Also thanks to the use of clean sources Voestalpine is known as one of the most environmentally friendly steel industries.

OTHER STEEL COMPANIES USING



WHO WE ARE

Environmental and social responsibility, strong propensity for R&D, management skills and thirty years of experience are the characteristics of Idealservice which launched I. BLU in 2018, giving life to the main Italian operator in the recovery and recycling of all plastic packaging.

Through innovative technologies, certified and patented processes I.BLU provides real and immediate solutions to the most important environmental problems of our time: pollution, especially marine pollution, reduction of the use of fossil resources and decarbonisation of industrial processes in order to fight climate change caused by polluting emissions.

I.BLU annual capacity exceeds 260,000 tons of recovered material in the production sites located at San Giorgio di Nogaro, Reggio Emilia and Costa di Rovigo.

These exceptional numbers will rise over than 360,000 ton/year with the start-up of a new plant in San Giorgio di Nogaro and the increase in production capacity in Costa di Rovigo and Reggio Emilia.

ASSOCIATED COMPANY



CERTIFICATES I.BLU



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