



ALLIANCE I.BLU AND STEEL INDUSTRIES FOR DECARBONIZATION AND SUSTAINABILITY

#2



WE ARE PART OF IREN GROUP,
ONE OF THE LARGEST ITALIAN
MULTIUTILITY GROUPS

9,000
EMPLOYEES

3.71
BIL/ EURO*
FIRST HALF 2022
REVENUE

IREN'S BUSINESS UNITS



ENVIRONMENT
WASTE MANAGEMENT AND RECYLING



ENERGY
PRODUCTION OF ELECTRICITY
AND THERMAL ENERGY

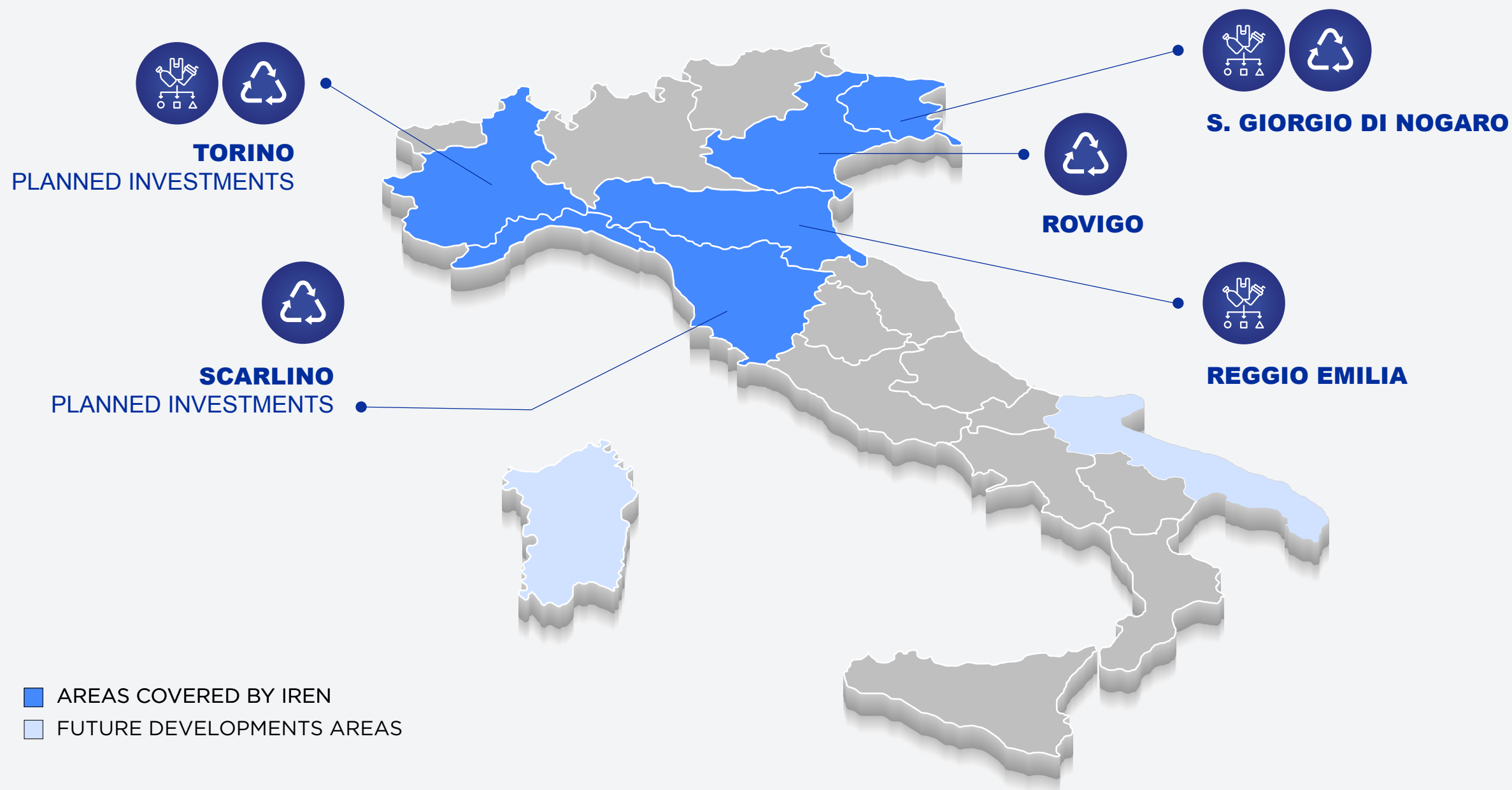


NETWORKS & MARKET
INTEGRATED WATER CYCLE GAS AND ELECTRICITY
NETWORKS. SALE OF ELECTRICITY, GAS
AND HEATING

#3



PLASTIC RECYCLING COMPANY OF IREN GROUP

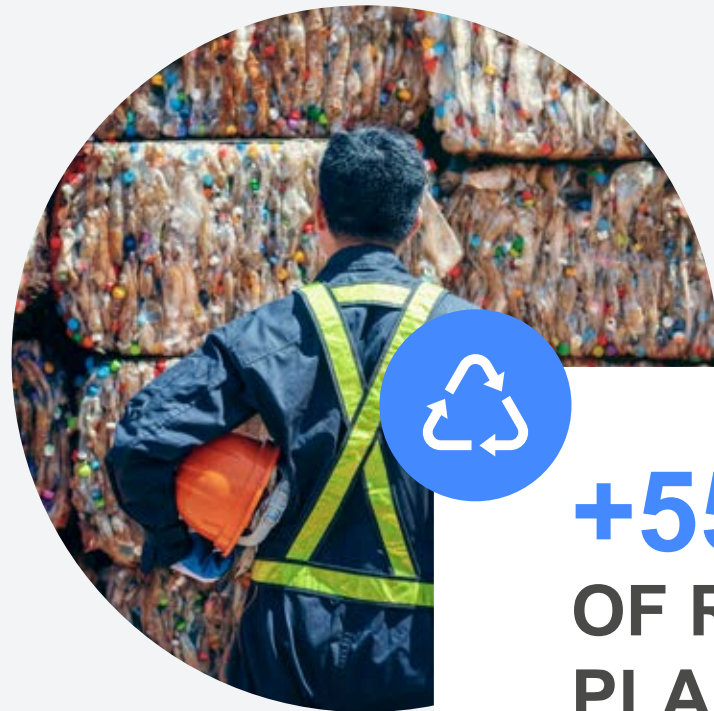


OUR NUMBERS


320K /TON YEAR
CURRENT PRODUCTION
CAPACITY


500K /TON YEAR
TARGET FUTURE
PRODUCTION CAPACITY

#4 EUROPEAN TARGETS 2030 FOR SUSTAINABILITY



+55%
OF RECYCLED
PLASTICS

RECYCLING TARGETS

THE EUROPEAN COMMISSION HAS SET TO 10 MLN TONS THE AMOUNT OF RECYCLED PLASTIC WASTE AND INTRODUCED THE EU PLASTIC TAX.



-55%
GHG REDUCTION

DECARBONIZATION TARGETS

THE EUROPEAN GREEN DEAL HAS SET THE AMBITIOUS TARGET TO CUT DOWN GREENHOUSE GASES EMISSIONS BY 55%.

#5 I.BLU'S CONTRIBUTION TO SUSTAINABILITY



INCREASE THE RECYCLING

ABOUT 50% OF PPW ARE CURRENTLY SENT TO ENERGY RECOVERY OR LANDFILL. I.BLU HAS INVESTED IN NEW SOLUTIONS TO RECYCLE UP TO 75% OF PLASTIC PACKAGING WASTE THANKS TO THE TREATMENT OF HARD-TO-RECYCLE STREAMS.

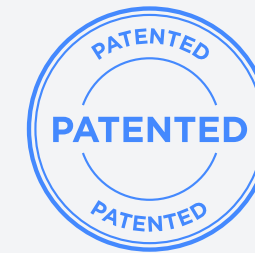


BOOSTING DECARBONIZATION

THE USE OF I.BLU'S PRODUCTS ALLOWS TO CUT DOWN THE EMPLOYMENT OF TRADITIONAL FOSSIL MATERIALS AND THEREFORE CONTRIBUTES TO THE DECARBONIZATION OF THE RECEIVING INDUSTRIES AND THE RELATED REDUCTION OF CO₂ EMISSIONS.



#6



BLUAIR® FOR THE STEELMAKING

BLUAIR® is a circular raw material compliant with the technical standard UNI 10667-17:2021, deriving from the recycling of plastic packaging waste.

BLUAIR® is used in steel production both in the Blast Furnace and Electric Arc Furnace, for its specific functions:

- A) AS A REDUCING AND / OR FOAMING AGENT;
- B) AS A PROTECTIVE AGENT OF THE ELEMENTS TO BE PRESERVED DURING THE MELTING PROCESS;
- C) AS A VECTOR OF REAGENTS IN OXIDE REDUCTION REACTIONS;
- D) FOR THE PRODUCTION OF MIXTURES TYPICALLY USED FOR THE CONTRIBUTION OF CARBON AND HYDROGEN TO THE PROCESS (E.G. COKE)



#7

BLUAIR® BENEFITS

BLUAIR® represents an available and concrete opportunity for **decarbonizing the steel industry and reduce CO₂ emissions**.

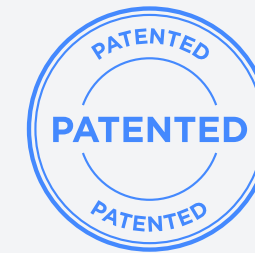
The use of BLUAIR® allows an **emission reduction of about 35%** compared to traditional fossil sources (coal and derivatives).

In the current geopolitical situation, BLUAIR® is a green alternative to coal and allows a diversification of supply sources.

Moreover, it is a real example of **circular economy and industrial symbiosis**, which contributes to the **European recycling targets** and allows to cut down the European Plastic Tax.



#8



BLUPOLYMER®

BLUPOLYMER® is a polyolefin granule mainly used:



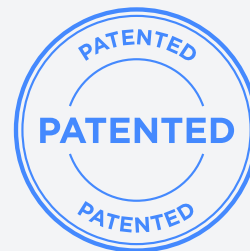
FOR CONSTRUCTION, PLASTIC PRODUCTS
AND INSULATION SYSTEMS.



AS A POLYMERIC ADDITIVE FOR HIGH
PERFORMANCE ASPHALTS

BLUPOLYMER® can be used to make materials and articles for industrial, logistics, and automotive purposes as well as outdoor urban furniture.

#9



PROCESS AND QUALITY

BLUAIR® and BLUPOLYMER® are compliant with the following criteria set by the permits and the technical standards:

1. RECYCLING PROCESS: A COMBINATION OF OPERATIONS AND TREATMENTS (E.G., SHREDDING/GRINDING, CLEANING/WASHING, DENSIFICATION/EXTRUSION, ETC.).

2. QUALITY REQUIREMENTS: INCLUDING BOTH PHYSICAL AND CHEMICAL PARAMETERS.

3. FUNCTIONS AND INDUSTRIAL APPLICATIONS.

I.BLU has obtained the Second Life Plastic (PSV), EuCertPlast and the QEHS Management System certifications.

The production processes and products are proprietary technologies and subject to industrial and intellectual property of I.BLU Srl.





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I.BLU CERTIFICATES



PRODUCT CERTIFICATES



PROCESS CERTIFICATES



ASSOCIATED COMPANY





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