



THE GROUP

COMPANY PROFILE





YOUR BRAND, YOUR WELDING



INVERTER FOR LIFE



AIR CONDITIONING

"zero"	CO ₂ Emitted
36.000	Square meters of covered production
120.000	Square meters surfaces total areas
3.800	Square meters offices
1.490 MW	of production capacity - Solar division
120.000pcs.	welding machines capacity - Welding division



Company video

PHILOSOPHY.

In 1942, precisely on December 22nd, a man had a dream: to create a company capable of ensuring its Customers about product they were using. Certainty of technological innovation, technical development, operational perfection, the certainty of a unique style and an absolute service, as well as guarantee of unmatched reliability. This man was Arturo Sottocorno, founder of a perfect business system: Fimer. Today, with the same passion, we dedicate ourselves every day and we commit our efforts to achieve these goals. Over the years we have seen the Fimer's system grow, develop and expand into international markets and acquire increasing support from our customers. This system has been renewing and developing during the time, by remaining loyal to the seriousness that our customers daily certify in their work. A three generations seriousness that results in future certainty.

Ambrogio Fabrizio Carzaniga
Chairman

Fimer is a growing company. From 2000 to the present day we have had important growth in terms of turnover and technological development. We intend to maintain this trend over the next years. The challenges, however, are not over. We have only just begun. In addition to the manufacturing of welding equipment, our current core business which marks our production since 1942, we have been producing and marketing since 2003 the only air conditioner without external split unit and with a single coaxial pipe for air exchange (WINDY). In 2008 we launched a new challenge: the production of solar inverter. A sector where we can apply 30 years experience gained in the INVERTER development.

- 2012 NEW HEADQUARTER
- 2008 SOLAR DIVISION
- 2003 AIR CONDITIONING
- 1942 FIRST FIMER WELDING MACHINE



FIMER GROUP.

The FIMER product range satisfies the most demanding requests, by guaranteeing perfection, technological development, rational design, in compliance with all European and global regulation. Thanks to our experience in designing, manufacturing and installing plant, together with the steady research for new technologies, and in monitoring our customers's needs in Italy and abroad, FIMER Group makes sure to remain a leading manufacturer. Our vocation toward technology excellence at the highest level is underlined in our production processes and services.

Our confidence is boosted by the approval we every day receive.

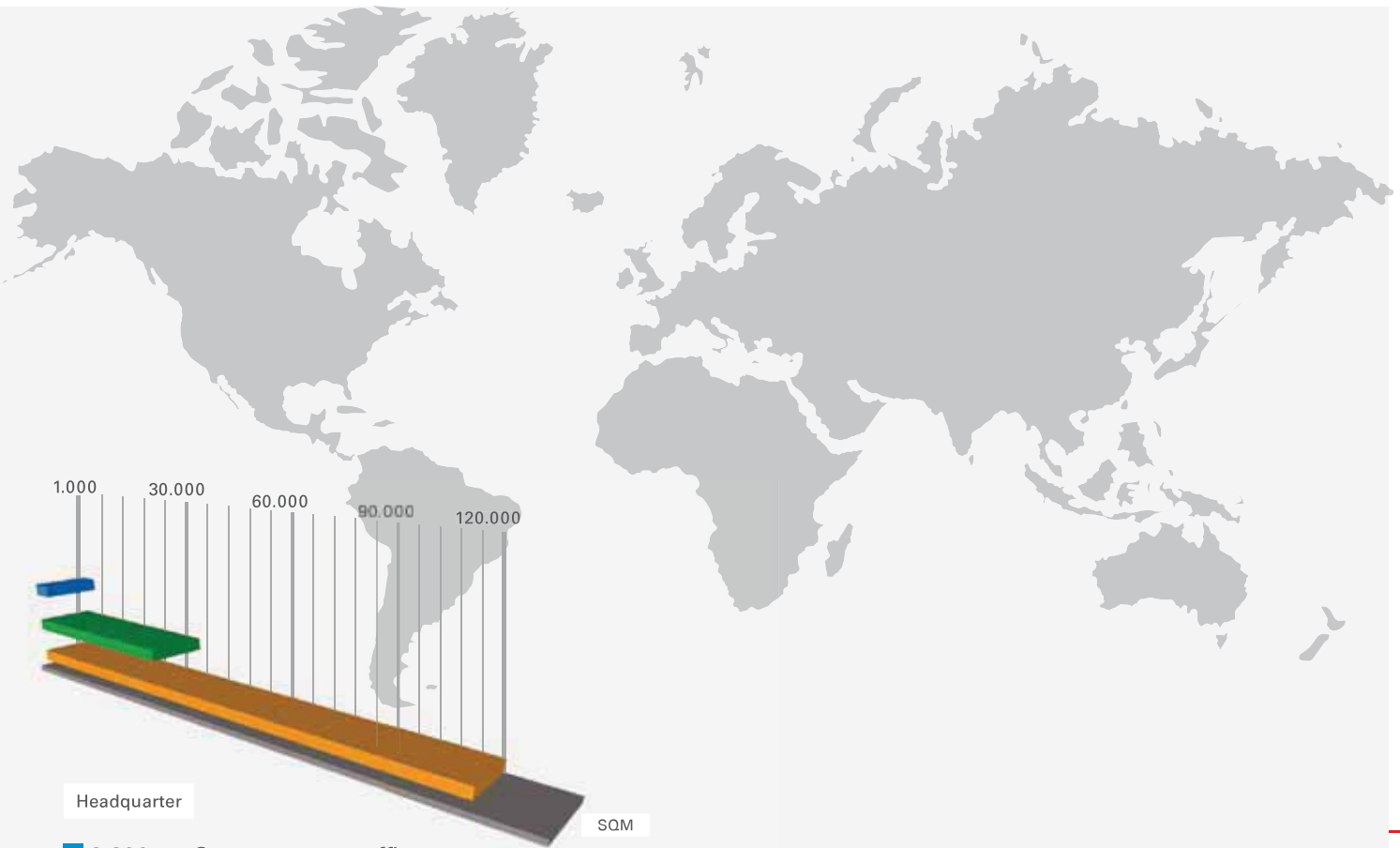
OUR PRODUCTION SEGMENTS:

- Welding Machines
- R.E. Inverters
- Energy Stations
- Delivery units
- String and parallel boxes
- Electronic Boards
- Air conditioners
- Carpentry



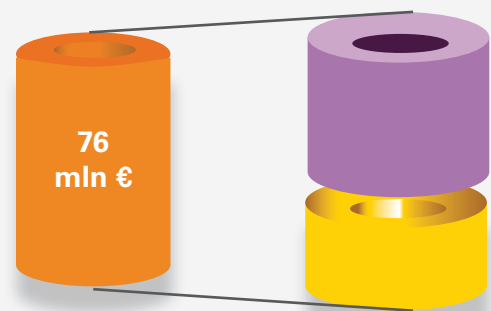
A. New Headquarter North view
B. New Headquarter South view





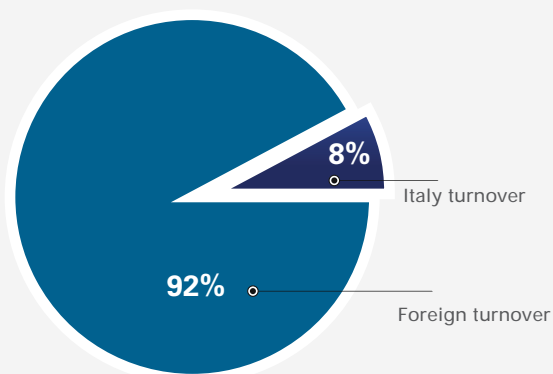
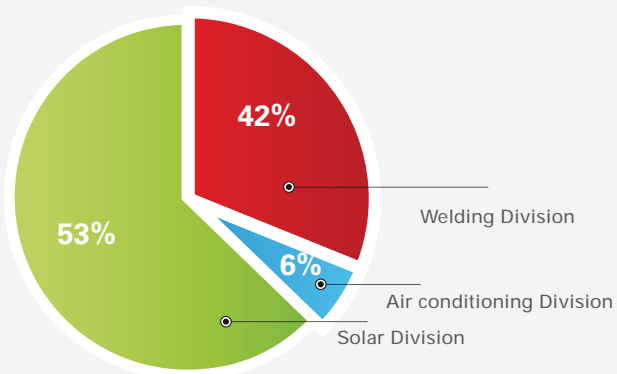
■ **3.800** Square meters offices
■ **36.000** Square meters of covered
■ **128.000** Square meters surfaces

Turnover



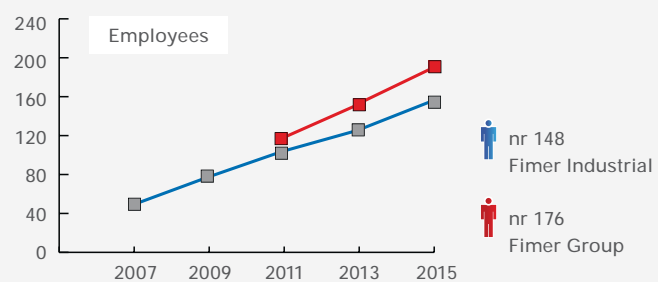
■ **76 mln €** Turnover Fimer Group
■ **43 mln €** Turnover Fimer Industrial

Distribution Fimer Industrial



Turnover Fimer Industrial

Employees



DISTRIBUTION.

With an homogeneous distribution network operating at worldwide level, FIMER guarantees a very active presence to its sales network. With our subsidiaries, coordinated by the headquarter based in Vimercate (ITALY), each distributor can meet his customer's request.

In our authorized training centers we train distributors and customers about all possible processes, Updates and machines maintenance procedures. We also organize specific courses on materials and the most advanced techniques.

6 Branches
180 Distributors
2 Training centers
72 Countries



FIMER BRANCHES (USA, Chile, Brazil, Congo, South Africa, Algeria)



FIMER DISTRIBUTION

AUTOMATIC LOGISTIC.

FIMER Group has adopted a fully automatic and robotized internal logistics service.

The main warehouse, with a capacity of 3860 pallet places, works automatically and in an independent way without operators' intervention, as well as a secondary boxes storage for small parts. Even in this case, 4800 boxes are handled in a completely automated manner.

Thanks to forklift trucks, unmanned and satellite-guided, goods move among various production floors independently. By scheduling orders daily, the system moves to feed steadily the assembly lines by continually providing the finished products to the warehouse.

3860 Pallets places
4800 Boxes
3 Laser guide vehicle
5 Shuttle monorail



A.



B.

A. LGV
B. Warehouse

CARPENTRY PRODUCTION.

Our internal carpentry department is fully robotized. Thanks to these investment we can boast the most complex and advanced system currently present in Italy. Each operation is computed, the punching, the stock sheet, the bending cells work in an autonomous way without operator, organised in three shifts.

- 2 Automatic lines for punching
- 1 Continuous laser cutting line
- 1 Automatic metal sheet warehouse with 220 places
- 3 Bending robot cells
- 4 Bending machines cnc
- 1 Center robotic welding
- 1 Shears CNC



A.



B.

ELECTRONIC CARDS PRODUCTION.

Even in this department, FIMER is an absolute excellence. The Panasonic lines are able to mount up to 85,000 components/hour with absolute precision. All the welding process was assured by wave soldering to 3 preheating bodies to ensure a top-level lift tin QUALITY.

Each FIMER card, to maintain maximum durability and reliability over time, after assembly operations is subjected to a rigid process of "conformal coating" where each piece is covered by a special protective resin. This process is controlled by a completely robotized system.

- 1 Wave solder lead free
- 6 Touch Up stations
- 2 Pick & Places Panasonic
SMD 85.000 components/
hours
- 1 Automatic line for
conformal coating PCB
- 1 Optical inspection
- 1 X-Ray inspection



A.



B.

A. View Dpt.
B. Pick And place area

ASSISTANCE - SERVICES.

FIMER has an internal division of Service and assistance that guarantees, the reference point to our customers.

The whole process is controlled and monitored since the first demand. Timing is scanned in order to reduce the response time to the client.

- 1 Services-center
welding division
- 1 Spare parts center
welding division
- 1 Services center
solar division



ECO FRIENDLY.

FIMER is the first and only welding company in the world with “zero” impact on environment. Thanks to the 1 MW PV power system installed in our plant, the use of advanced materials in the construction of our new headquarters premises and with the best technologies in the field of geothermal energy, today Fimer does not produce and introduce a single gram of CO₂. Respect for the environment is also our job thanks to the renewable energy division and we work daily to ensure that in all our activities it is preserved. Choosing FIMER you opt for respect of the environment.

0 CO2 Emitted
513 Product/year
1 Geothermal plant



A. Geothermal plant
B. Roof PV plant

WELDING DIVISION



YOUR BRAND, YOUR WELDING

The Fimer welding machines are universally known for their technological qualities. A wide range that meets the professional's need, characterized by the highest operational perfection, steady progress, a rational line, all in compliance with the most stringent European and safety standards. This is due to a long experience and attention to Italian and foreign markets, reached by constantly studying technique and technology to remain at the top of products quality. Our production program puts great emphasis on the vocation for electronics with inverter technology applied at the highest levels.

INVERTER.

FIMER has been one of the first worldwide company to apply in 1983 such a technology in the field of welding.

Thanks to our experience, we are now producing 100,000 inverter per year guaranteeing maximum inverter reliability and performance even in the most severe use.

INVERTER

|MMA
|MIG-MAG
|TIG
|PLASMA CUT

ACCESSORIES

|TORCHES
|ACCESSORIES



FROM 120
TO 420A



FROM 180
TO 500A



FROM 160
TO 420A



FROM 30 TO
110A



STANDARD.

The FIMER traditional transformer technology products range has been designed to be resistant to heavy Duty uses and to be always perfectly efficient. Available in a variety of processes such as MMA, MIG / MAG, SPOT and Engine welders. All materials we use are designed to last over time. Duty cycles are extremely high in order to meet the heavier job requirements.

ISTANDARD

- |MMA
- |MIG-MAG
- |SPOT
- |ENGINE WELDERS

ACCESSORIES

- |TORCHES
- |ACCESSORIES



FROM 200
TO 650A



R&D - QUALITY.

After the first certification of its quality system according to UNI EN ISO 9001, we have also obtained the certification according to UNI EN ISO 14001, which defines the requirements for the environmental management (SGA) and the OHSAS 18001, which identifies the international standard for a Safety management system and Workers Health.

Our advanced technology R & D , quality and technical support depts create a secure and reliable network throughout the machine production cycle, from his first release until a request for intervention.



ISO 9001:2008
N° 1617



ISO 14001:2004
N° 1618



BS OHSAS 18001:2007
N° 1619



A. Technical Dpt.
B. Test welding area



INVERTER FOR LIFE

We apply in our daily work 30 years experience in the development of power inverter to ensure the best. The renewable energy world opened a universe of possibilities, you can create a new Energy concept: safe, clean and detached from all the critical issues affecting the traditional sources.

Being able to imagine a different environment provides, to those who work in this industry, a unique opportunity: create business by preserving what surrounds us, create wealth without depleting the environment.

FIMER has captured all of this in its DNA and on this basis he formed his own company already in 1942, by maintaining this attitude also in the production of its PV Inverter today. THIS IS WHAT MAKES US UNIQUE.

In 2008 FIMER decided to face a new challenge founding the division FIMER INVERTER FOR LIFE, with the knowledge to be able to give their own contribution in terms of technology and products to the preservation and protection of the environment by developing a complete converters range for the photovoltaic market.

RANGE.

Two complementary product lines of solar inverters (with and without galvanic isolation transformer for LV and MV) and magastation for connection to

the electricity distribution have been designed:
a line of three-phase centralized inverter @1.000VDC: R400 - R500 - R800 - R1000 - R1200 - R1500TLI - R2000TLI - R2250TLI - R2500TLI - R3000TLI - R3750TLI - R4000TLI - R4500TLI - R5000TLI - R6000TL - R6800TL - R7500TL.

A line of **three-phase centralized inverter @1.500VDC**: R5515TL - R6615TL - R7715TL - R8815TL - R10015TL - R11015TL.

A line of MEGASTATIONS @1.000VDC: MS750 - MS1500 - MS2250 - MS3000.

A line of MEGASTATIONS @1.500VDC: MS1100 - MS2200 - MS3300- MS4400.

particularly suitable for industrial plants and for large photovoltaic fields.

The winning ingredients that characterize the inverters are: full compliance with regulations concerning protection and connection to the grid (synonymous

with safety), the possibility of using the products with any type of photovoltaic panel (guarantee of use versatility), the accurate choice of materials and supervision of design and production processes according to the ISO 9001 standards (certainty of product's robustness and reliability), high conversion efficiency (for a certain profitability and constant over time).



MAX VOLTAGE DC

1.000 V



LV CENTRAL INVERTER
40 UP TO 110 kVA



MV CENTRAL INVERTER
150 UP TO 690 kVA



MS MEGASTATION
500 UP TO 2.760 kVA



SBC COMBINER BOX
8 UP TO 24 PV String

20

MAX VOLTAGE DC

1.500 V



MV CENTRAL INVERTER
150 UP TO 1.025 kVA



MS MEGASTATION
1.100 UP TO 4.100 kVA



SBC COMBINER BOX
8 UP TO 24 PV String

ACCESSORIES



**COMMUNICATION SYSTEM
SOFTWARE (Fimerguard - PPC - Scada)**

ASSEMBLY.

In addition to all the processes that make us 100% self-employed in the production, Fimer assembles the finished product and its accessories as well. By string inverters, central inverters up to the entire MW stations, everything is assembled and manufactured inside our plants.

This guarantees control of the processes and the highest quality finished product. A guarantee that characterized our products for all their cycle of life.



A. Internal view of conversion units
B. Metal working area of conversion units



A. Assembly conversion units

R&D - QUALITY.

Within our research laboratories located at our headquarters in Vimercate (Italy) born every day new products and technologies. Thanks to the design FW, SW, HW and internal mechanics, we every day check the heart of all our products. Unique company in Italy with a grid simulator of 1.100 kWp in our laboratory.



ISO 9001:2008
N° 1617



ISO 14001:2004
N° 1618



BS OHSAS 18001:2007
N° 1619



EN 61683 Conversion Efficiency
Certificate



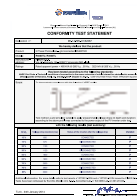
CEI 0-16
Conformity Declaration



CEI 0-21
Conformity Declaration



VDE-AR-N-4105
BDEW
Conformity Declaration



Romania Norm
Conformity Declaration



A.

SOME REFERENCES.

Brazil
11 MW





Romania
14 MW



25

Romania
30 MW



Greece
8.9 MW



Air Conditioning

Using the vast experience in the sector, in the 2003 WINDY born, the first and only air conditioner Without outside split and with a single coaxial tube for the air exchange. Windy is a product that combines innovative compact design, exceptional performance and quiet operation. Windy is a 100% made in Italy product. In our modern factories electronic technology and thermodynamics join to give life to a product made entirely in Italy.

A pool of 10 engineers and specialized technicians is engaged every day in the product development in order to offer to our customers a climate more and more innovative and efficient in all weather conditions. FIMER, WARRANTY FOR YOUR CLIMATE.

WINDY.

Windy is a silent air conditioner. Thanks to the special multi-layer insulation of all the components and to the double compressor isolation, Windy is suitable to be installed in all the environments.

Windy will allow you to cool or heat your rooms without the annoying noise, the classic noise of the classic portable conditioner. Anyone can everywhere enjoy the cool silence of Windy.

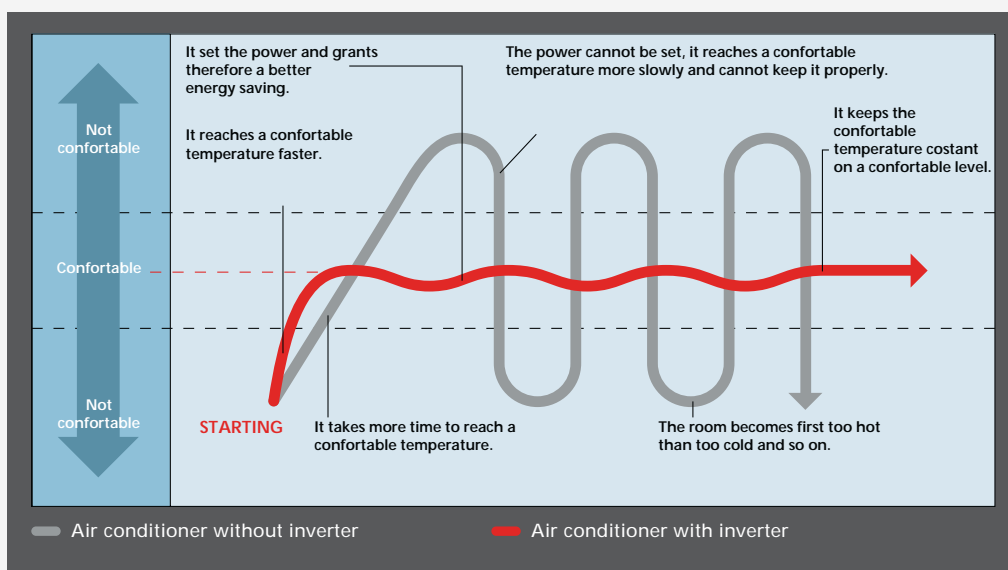
NO SPLIT OUTSIDE OF THE CASE WINDY: the new eco-friendly air conditioner, made from a single indoor unit. Easy to install, does not require any external split.

- COMPACT
- NO SPLIT
- ONE HOLE INSTALLATION



WINDY IS EQUIPPED WITH A "MICROPROCESSOR" ELECTRONIC SYSTEM FOR THE CONTROL OF ALL THE TECHNOLOGICAL FUNCTIONS. THE CONTENT OF GAS R-410A IS APPROVED BY THE KYOTO TREATY (according with the 2006 standards).

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WINDY3H.P.Inverter / 4H.P.I. / 5H.P.I.: have a technology that automatically controls the speed of fans and compressor, reducing consumption. Wall control is optional.



THE GROUP

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