



INVERTER FOR LIFE

THREE DIVISIONS. ONE FAMILY COMPANY

> **SOLAR DIVISION**



INVERTER FOR LIFE



SOLAR DIVISION.

A Global Provider for Solar Energy Solutions



In today's world, it is essential to abandon personal needs. Companies must meet the increasing market demand of having a complete service that relieves customers of any worries about the investment they made or going to make.

Passion, Commitment, Vanguard Technologies, this is what distinguishes FIMER, always.

We have Passion for our business and we believe it is the only way to give always our best, never being satisfied and transmit this feeling in the solutions that we offer.

We strive every day to give the best to our Customers, consistently over time.

We care the confidence that our clients entrust us, and All our efforts are always aimed to satisfy Them in the long term.

To accomplish it during time we never stopped investing. In our history we achieved many records and still, after 75 years, we continue to invest in R&D to find the best solutions every single day.

AMBROGIO CARZANIGA
CHAIRMAN

2017

- FIRST COMBINER BOX **50 A**
- FIRST CONVERSION UNIT FULL INTEGRATED **>5 MVA** (5.64 MVA)
- FIRST STRING INVERTER **1500V >100 KVA**

2016

- FIRST **MODULAR STORAGE** INVERTER **1100V & 1500V.**

2015

- FIRST **1500V. INVERTER** CERTIFIED

2012

- FIRST CONVERSION UNIT **> 2 MVA**

2008

- FIRST **FULL MODULAR** INVERTER

2007

- A COMMON CORE **SOLAR INVERTER** DIVISION





OUR APPROACH

... our figures



At FIMER we always have an industrial approach out of schemes.

When everyone outsourced activities and processes, we have made further investments to internalize everything.

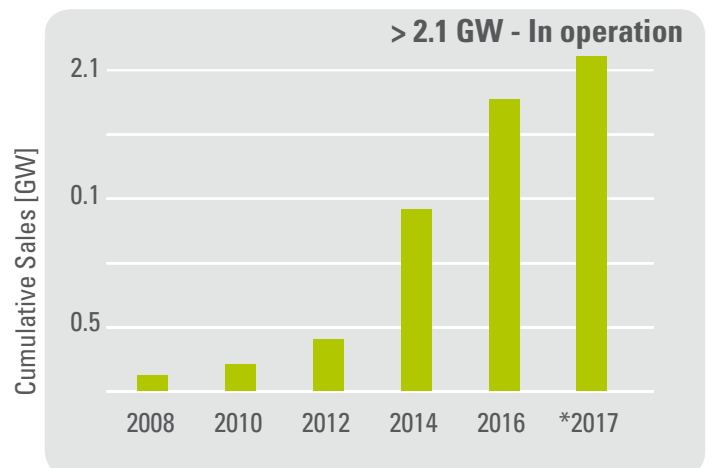
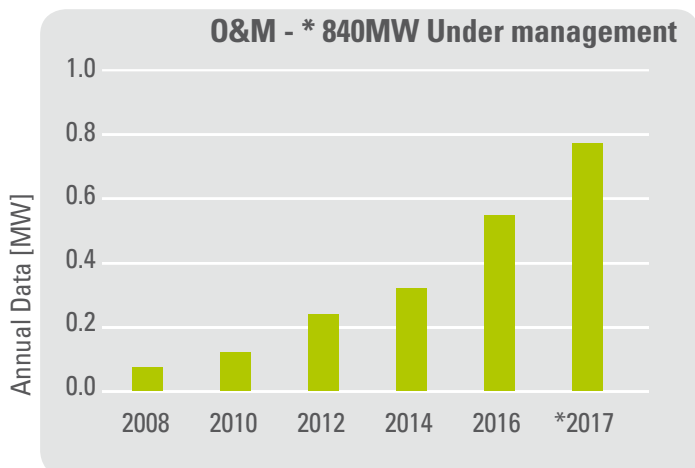
This has allowed us to be today the most competitive & flexible and above all to have under control what we developed.

Control on a qualitative level, definitely, but also at

the production & processes level.

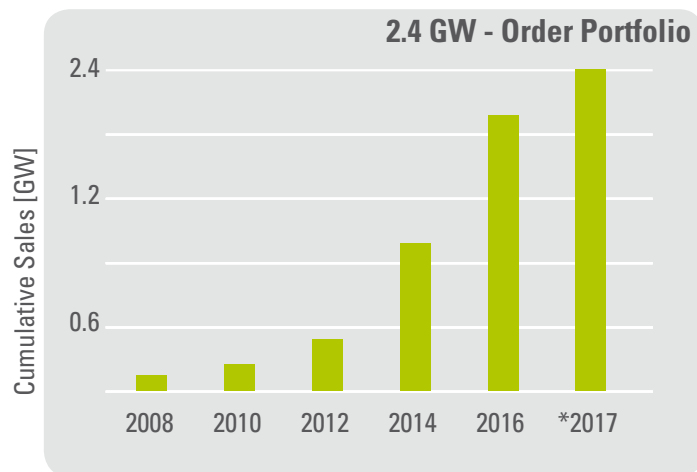
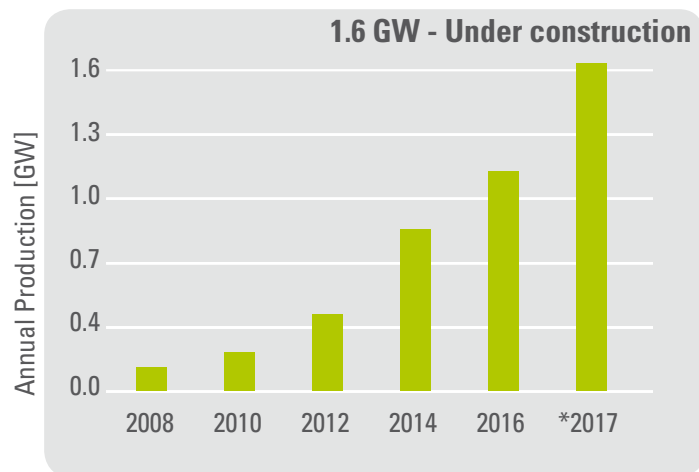
We are able to modulate our internal organization to never be in trouble by providing the best expertise on the market, exclusively for our clients/partner.

In a world that runs, have the legs to do it, make the difference".





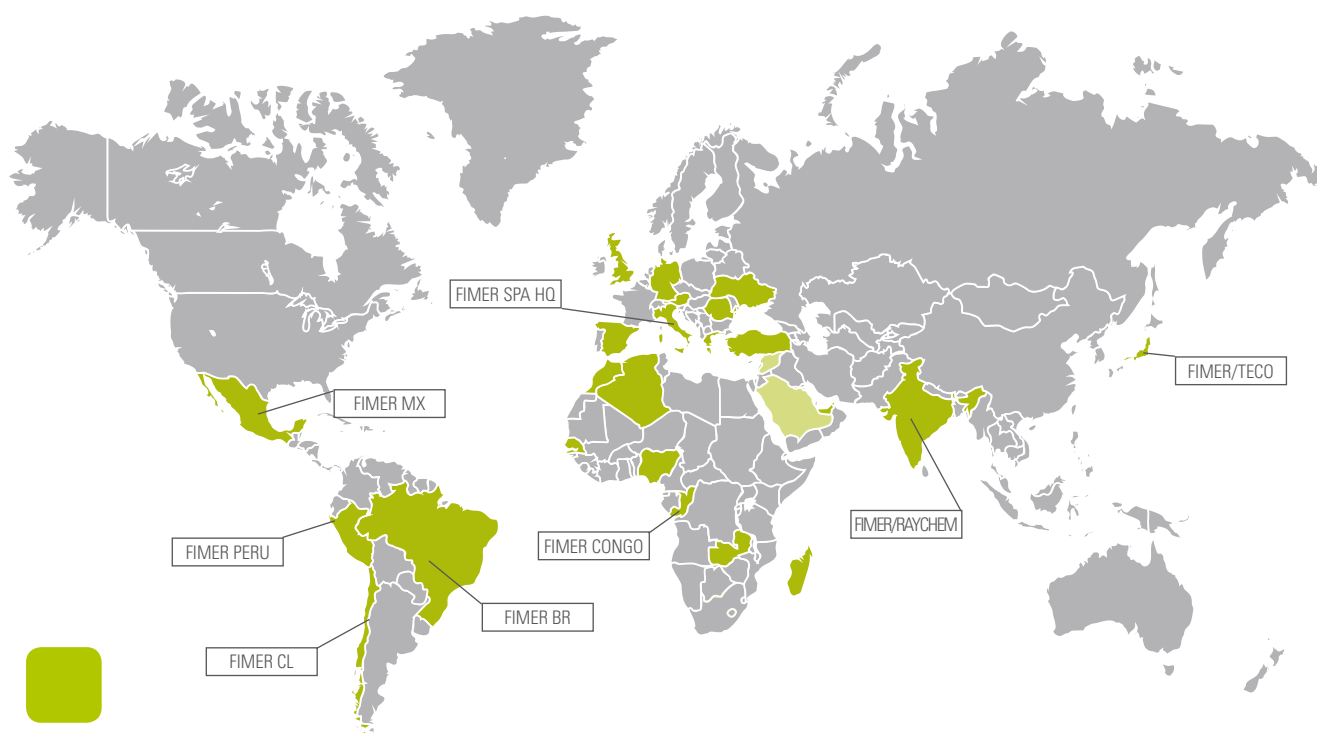
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A GLOBAL PRESENCE

... for the best service



FIMER is a wide Global Company, with presence in 72 Countries in the world. In particular, with Solar Division we realized Utility or Large Scale plants in the main strategic markets in the world, such as Europe, Middle East, Africa, Latin America and India.

Thanks to our Branches in Romania, Algeria, USA, Chile, Brazil, Peru, Mexico and Congo we can support our Customers in every step of the project, from engineering to production, from general activities to commissioning and O&M.

The plant construction is only the 50% of our work. We are really satisfied when the efficiency is granted for a long time, when support is at the highest level and when we can quickly step in, thanks to our local presence.

With an homogeneous distribution network operating at worldwide level, FIMER guarantees a very capillar global presence. With our subsidiaries, coordinated by the headquarter based in Vimercate (ITALY), each distributor, logistic center, O&M local Team and Training center can meet his customer's request.

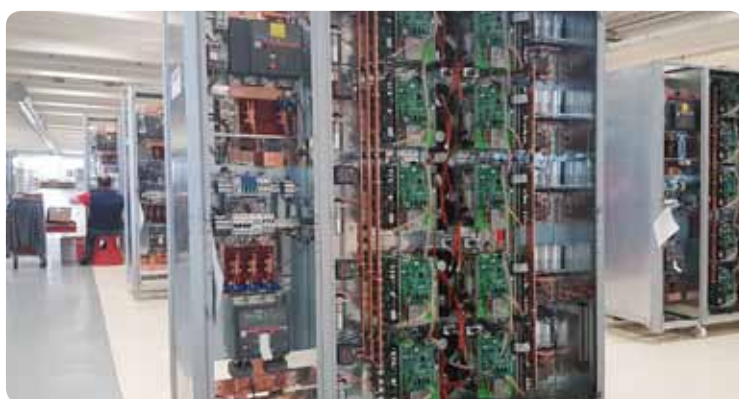
In our authorized training centers we train customers & partner about all possible processes, procedures and products. We also organize specific courses on our Integrated Systems and the most advanced techniques.



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VERTICAL PRODUCTION

... to have everything under control



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 FULL RANGE

... for all needs.

String Inverters



Central Inverters



Complete Conversion Units



Storage Inverters



The FIMER product range satisfies the most demanding requests, by guaranteeing perfection, technological development, rational design, in compliance with the most strictly and global regulation.

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:** R1100 - R1500TLI - R2250TLI - R2500TLI - R3000TLI - R3750TLI - R4500TLI - R5000TLI - R6000TL - R6800TL - R7500TL - R7200TL - R8100TL - R9000TL - R5010TL - R10000TL.
- **A line of three-phase centralized storage inverter @1.100VDC:** S3750TL - S7500TL - S4500TL - S9000TL.
- **A line of three-phase string inverter @1.500VDC:** R1015TL - R1415TL.
- **A line of three-phase centralized inverter @1.500VDC:** R5515TL - R6615TL - R7715TL - R8815TL - R10015TL - R11015TL - R12715TL - R14015TL - R15315TL - R15615TL - R16615TL - R18615TL - R13015TL.
- **A line of three-phase centralized storage**

inverter @1.500VDC: S5515TL - S11015TL - S7515TL - S15015TL.

- **A line of MEGASTATION @1.000VDC:** MS1000 - MS1500 - MS2000 - MS2500 - MS3000 - MS4000.
- **A line of MEGASTATION @1.500VDC:** MS2200 - MS3300 - MS4400 - MS5200 - MS6000 - MS6000FI - MS7440.

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 - 14001 - 18001 standards (certainty of product's robustness and reliability), high conversion efficiency (for a certain profitability and constant over time).



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MODULAR POWER SYSTEM

... a Fimer exclusive.

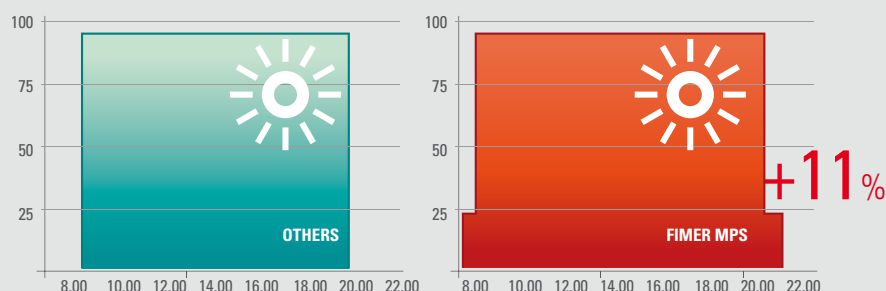
+11%

ENERGY PRODUCTION

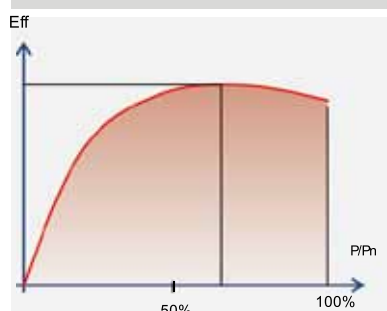
Produces
+ 11% MORE ENERGY
compared to conventional central &
string inverter

HIGHER TOTAL RETURNS

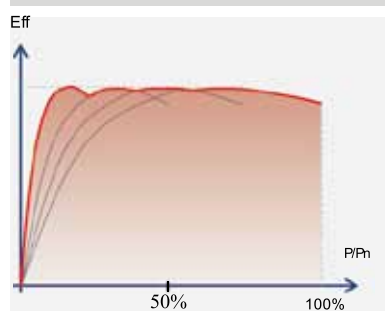
Throughout the life of the installation



EFFICIENCY DIAGRAM
CONVENTIONAL INVERTER

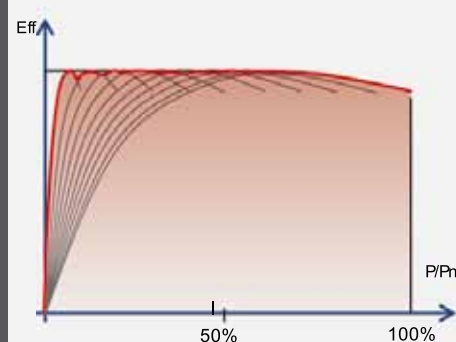


EFFICIENCY DIAGRAM
4 MODULES INVERTER



Efficiency area

EFFICIENCY DIAGRAM
FIMER INVERTER WITH MPS



Fimer vs conventional = + 11%



MPS system (Modular Power System) is a particular architecture for power modules of FIMER inverters which **GUARANTEES HIGHER EFFICIENCY & Energy Production** compared to conventional centralized inverters. This Technology maximize all the advantages of the Central and Distributed configuration. Thanks to this system our inverters' power modules switch on gradually **PRODUCING ENERGY AT ONLY < 500W** generated by the PV plant.

This means that a FIMER inverter **SWITCHES ON**

EARLIER AND SWITCHES OFF LATER!

The result is that FIMER inverters produce on average **11% MORE** than conventional PV inverters. This highest efficiency means **HIGHER GAIN** already in the first working years of the machine and warranty period.

FIMER INVERTERS CONVERT EVERY RAY OF SUNSHINE FROM THE FIRST TO THE LAST SUNBEAM!

SOME REFERENCES

Chile
160 MW








Chile
97 MW





Under Construction

	MEXICO > 944 MW		JORDAN > 23 MW
	PERÙ > 180 MW		Additional references for > 858 MW
	INDIA > 66 MW		

Via J.F. Kennedy
20871 Vimercate (MB) Italy
Phone: +39 039 98981
Fax +39 039 6079334

www.fimer.com
info@fimer.com

INFOLINE
Tel. +39-039-6079326



THE GROUP