

EMC, Power Quality and Energy solutions

Company Profile

Safe Energy : EMC, Power Quality and Energy optimization

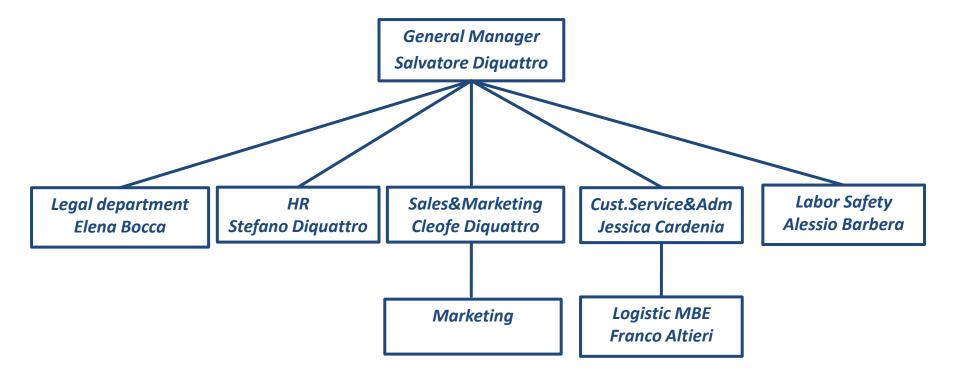
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Organization

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People, Products, competence and service are the fundamentals of our Company



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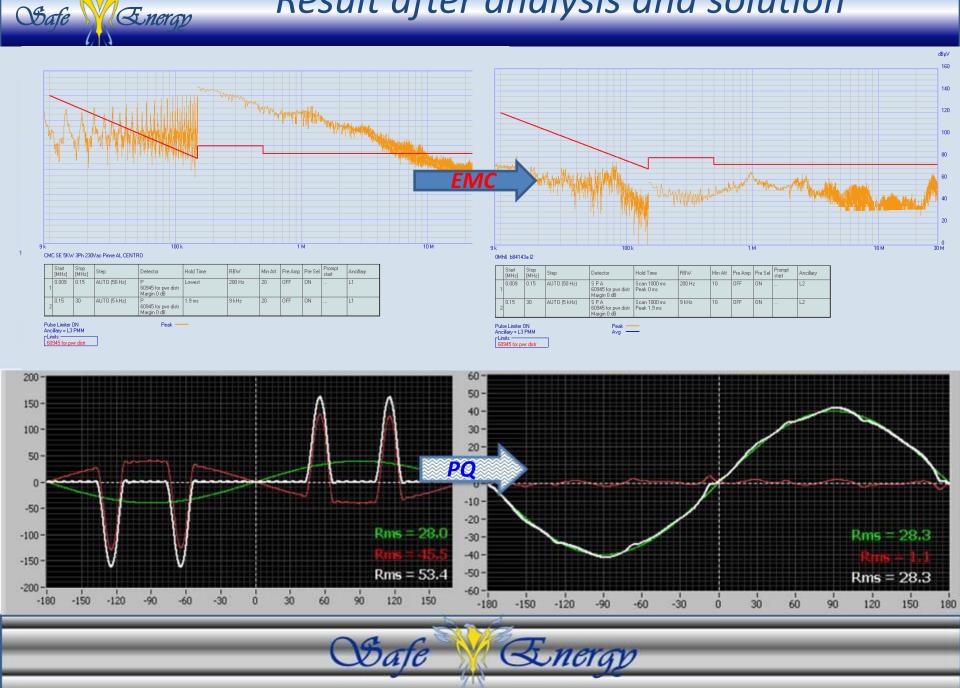
Safe Energy supports all the Companies that want to solve their Power Quality and EMC issues through competitive and innovative solutions

Issues typology

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category	disturbance type
	Elettrostatic discharge
	radiated radiofrequency
	Fast Voltage Transient
EMC	Lightning
	Conducted disturbances
	Electrostatic Field
	Elettromagnetici field
	Magnetici field
	Harmonic on Power Line
	Voltage Swell and Dip
	Voltage interruptions
PQ	Voltage transient
	Voltage variation
	Frequency variation
	Flickers

Result after analysis and solution





- HVAC

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- Naval
- Renewable Energies
- Industrial
- Medical

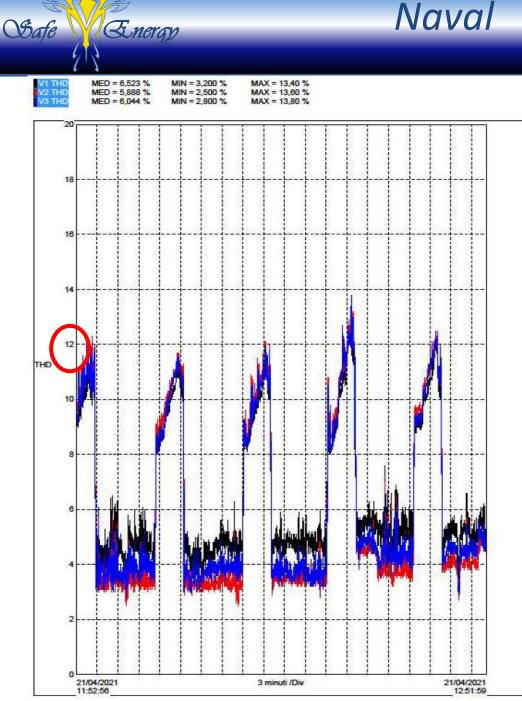


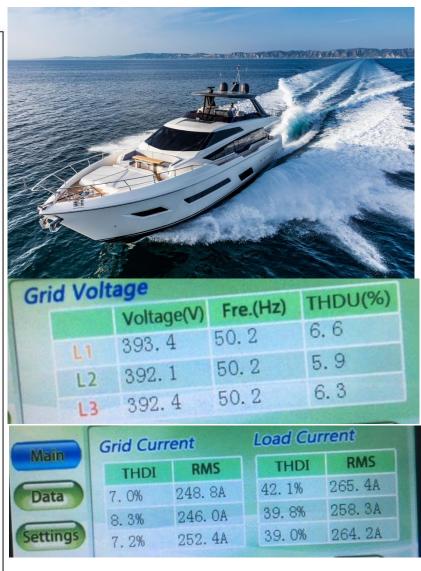
HVAC

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Result after Harmonic mitigation





Result after Harmonic mitigation

9MVA hydroelectric power plant

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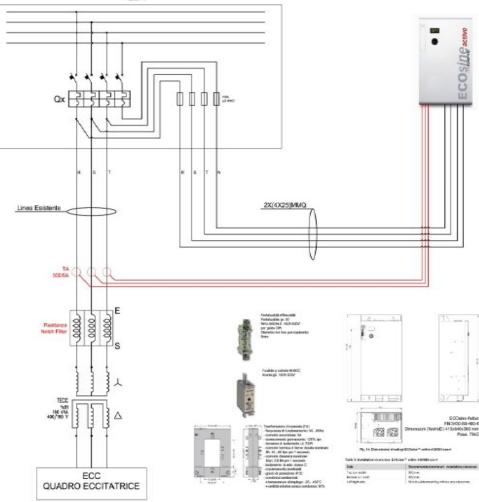
LU

ECOsite Artivo



Enerar

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Sezione cavi					
Utenza	Sezione	Tipo cavo			
Notch Filter	Uguale alle linee del primario dei TE	FG7M1 - FG7R			
ECOsine Active	2x(4x25) + 1G35 [mmq]	FG7OR			
TA Lovato DM1TA 0500	2x2,5 mmg	FG7OR			

DATI TECNICI REATTANZA - NOCTH FILTER



Technical data and measuring conditions

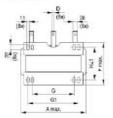
Rated voltage Va	520 V AC (50/60 Hz)		
Rated current I _e	Referred to 40 °C rated temperature		
Test voltage V _{av}	1100 V AC, 2 s (line/line) 2500 V AC, 2 s (lines/base)		
Relative voltage drop u, in %	At In; 50 Hz and 400 V AC		
Insulation class	F (155 °C)		
Overload capability (thermal)	3 - l _e , t < 3 sin 300 s		
Climatic category (JEC 60068-1)	25/100/21 (-25 "Ci+100 "Ci21 days damp heat lest		
Approvalis	Insulation system class 155 (F); T-EIS-CF1 UL 1446		

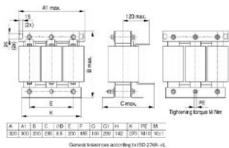
Characteristics and ordering codes

L' A	4	R _p 0 mQ	ta ⁿ mH	P ₁ ^o W	Approx, weight kg	Ordering code
V 52	OA'V D					
230	4.2	0.9	0.15	340	32.0	B86305L02305000

"Higher current values upon request.

1) Tgotal-also at 20 C, taleana -10% 2) Tarrant -194-225, 3) Ark, 3014-20 C





Dimensions i simm

9MVA hydroelectric power plant

Result after Harmonic mitigation



Energy

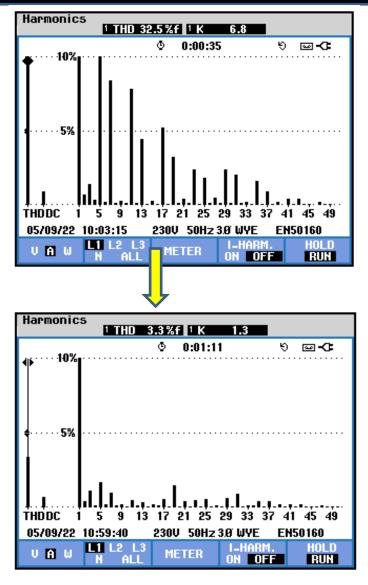
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Industrial



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Result after Harmonic mitigation

Medical

Conducted emission after analysis and solution

Energy

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Thank you !

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