

# COMPANY PRESENTATION

Euronext Growth Milan Conference 2022 May 26, 2022



# WHO WHE ARE





One of the largest Italian EPC company specialized in the field of turnkey power plants development for the production of solar energy



#### **VISION**

Continuing the development of plants under grid parity setting through innovative technological solutions



#### **M**ISSION

Widening geographic coverage to become an international player and catching new promising opportunities

## EPC COMPANY IN A RIGHT INDUSTRY AT A RIGHT TIME

#### **SOLID TRACK RECORD**



~750 MW







~500 MW

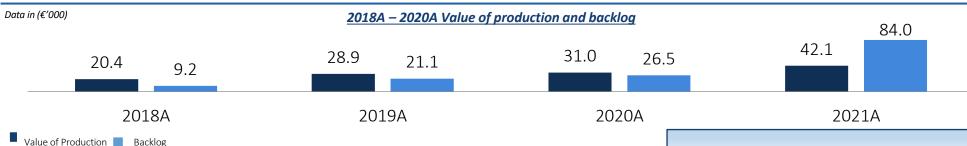
2018 – 2021 coverage of trackers supplied

Installed since 2009 Average MW per plant: 29.1

Installed since 2009

Orders value 2016 - 2021

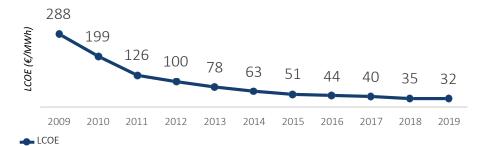
#### IMPRESSIVE GROWTH AND BACKLOG1)



#### **PROMISING MARKET FEATURES**

Data in (€/MWh)

#### 2009 – 2019 Global levelized cost of solar energy (LCOE)<sup>2)</sup>



Sources: Lazard "Levelized cost of energy analysis v.13.0", management 1) Backlog includes only solar energy business

The cost of power production from solar sources has dropped by 89% in the last 10 years

2019 Growth Leader,
Il Sole 24 Ore

2020 Growth Leader,
Il Sole 24 Ore

2021 Growth Leader,
Il Sole 24 Ore

2021 Growth Leader,
Il Sole 24 Ore

2022 Growth Leader,
Il Sole 24 Ore

2022 Growth Leader,
Il Sole 24 Ore

2020 1000 Europe's Fastest Growing Companies, Financial Times

2) Levelized cost of solar energy (LCOE) is a measure of the average net present cost of electricity generation for a generating plant over its lifetime. Data have been converted in € from USD at the average exchange rate for the period 2009 – 2019



### CONSOLIDATED KNOW-HOW IN ENERGY PLANTS CONSTRUCTION

#### 2008A - 2020A Sales and MW installed evolution CAGR % 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 26.7% '11A - '20A **650 DELAY IN** 531 '11A - '20A CAGR % **PROJECTS** solar business **INCEPTION** 350 22.6% 299 30.9 240 22.6 20.4 166 Conventional energy sales (€ m) 136 14.1 26.7% 103 72 72 51 6.8 Solar energy sales (€ m) 20 0.5 Cumulative MW of solar plants installed (MW) 0.3% 0.8 0.7 8.0 1.5 3.3 3.9 3.0 2.8 5.3 1.7 1.4 1.7 1.5 **SOLAR ENERGY TECHNOLOGY TOOLS** CONVENTIONAL ENERGY 2001A 2008A 2009A 2015A 2016A 2017A2) 2018A 2019A 2020A 2010A 2011A 2012A 2013A 2014A 2013 2018 2020 2001 - 2008 2008 2016 ■ 95 MW PV plants Construction of thermal, Construction of Launch of Development of Set-up for completed in South water and nuclear energy firsts photovoltaic partnerships with tracker system international plants for top-tier clients ("PV") power "Sun Hunter" European investment Africa expansion plants in Italy funds Realization of firsts IPO on Borsa PV plants in grid **AMITSUBISHI** Italiana AIM octopus **₩KGAL** investments

parity

segment

**OUTSTANDING GROWTH DRIVEN BY SOLAR ENERGY BUSINESS** 

# GOVERNANCE

#### **BOARD OF DIRECTORS**

Guido Paolini – Chairman

Alfredo Balletti – CEO

Fabio Rubeo – Director

Francesco Vitale – Director

Alessandro Campisi – Director

Barbara Paolini – Director

Giovanni Sicari – Independent Director

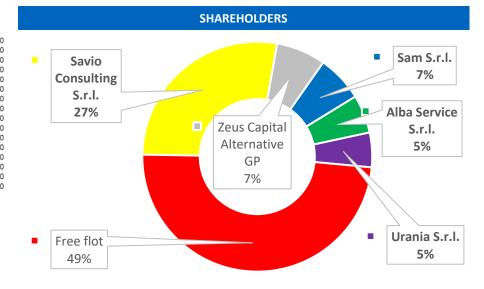
#### **BOARD OF STATUTORY AUDITORS**

Maurizio Fantaccione – Chairman

Riccardo Gabrielli – Regular Statutory Auditor

Stefano Ceccarelli – Regular Statutory Auditor







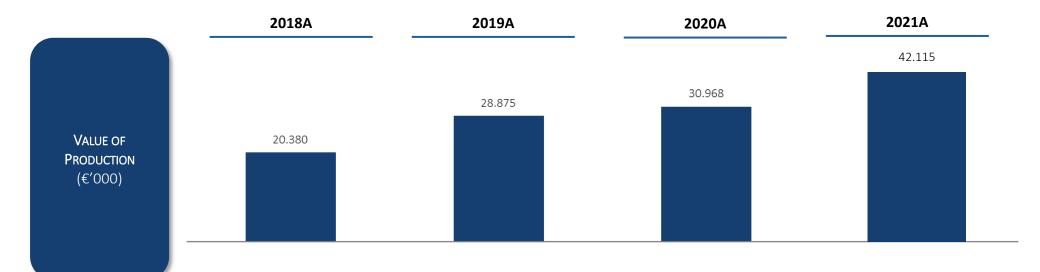
KEY HIGHLIGHTS



# **KEY HIGHLIGHTS**

Business on an outstanding growth path with € 84 backlog as of December 2021 First mover in **Grid Parity** Developer of a value added technology: the Sun Hunter Tracker Full coverage of business' value chain 4 Solar energy infrastructures **boosted by growing investments** both in Italy and worldwide

# BACKLOG DRIVES HIGH GROWTH FORECASTS



BACKLOG BREAKDOWN BY CUSTOMERS CATEGORY (€'000)

	31/12/20	% on total	31/12/21	% on total
Energy Funds/Investors	<b>≈</b> 23,6	89	-	-
Energy/Utility Players	<b>≈</b> 2,8	11	≈84,0	100
Oil Players	-	-		-
Others	-	nm	-	-
Total	≈26,5	100	≈84,0	100

# GRID PARITY: SOLAR ENERGY BECOMES PROFITABLE

#### **COMAL HAS BEEN THE ITALIAN PIONEER IN GRID PARITY SETTLEMENT**

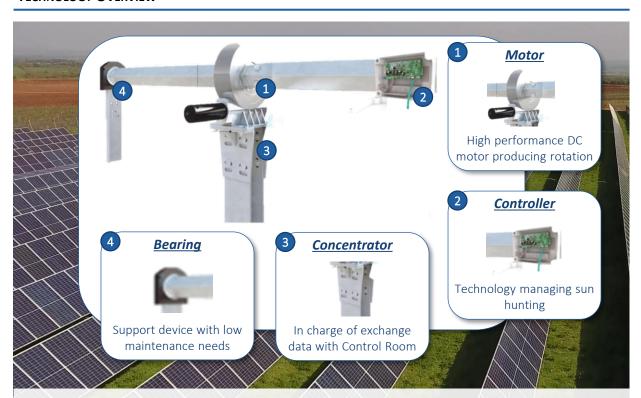
FEED-IN TARIFF		FINDING NEW FINANCIAL BALANCE	GRID PARITY		
Cost of plants (per MW): € 1.5 m	Required surface (per MW): ha 3	New Trends  1 No More Relying on Incentives	Cost of plants (per MW): € ~0.7 m	Required surface (per MW): ha 2	
Solar panel price (per W): € 0.63	Solar energy sale price (per MW): € 80	2 COMPONENTS PRICE DECREASE  3 TECHNOLOGICAL UPGRADE	Solar panel price (per W): € 0.18	Solar energy sale price (per MW): € 42/48	
Average return with no incentives:  2006  Average return with no incentives:  2013  Lower Use of Surfaces  10%  Average return with no incentives:					
Financial susto		Investments blockage in Italy, while abroad investments still taking place  COMAL AS A 1 <sup>ST</sup> Mover Realization of plants in grid parity for 63 MW		<del></del>	

#### 3

### TRACKER SUN HUNTER: EFFICIENCY BOOST

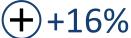
#### TRACKERS ENHANCE SOLAR ENERGY ABSORPTION THROUGH PANELS, ALLOWING A CONSISTENT SAVING OF SURFACE

#### **TECHNOLOGY OVERVIEW**



Tracker Sun Hunter is a **COMAL's proprietary technology** which supports photovoltaic panels and moves them to chase the sun throughout the day, thanks to a high performance electric engine. Moreover, trackers are able to position panels in parallel with the ground to protect them against strong wind

#### **KEY HIGHLIGHTS**



Sales increase per MW due to higher solar energy absorption



Number of panels per tracker at full capacity

~40

Trackers installed per MW<sup>1)</sup>

€ 30 k/MW

Marginal plant construction cost including trackers

# 4 FULL IN-HOUSE EPC COMPANY

		FULL VALUE CHAIN C	OVERAGE ALLOWS A BETT	TER COST AND TIMING CO	ONTROL	
VALUE CHAIN  INTERNATIONAL	-, (2)		000			
LEADER	R&D	COMMERCIAL BID	PLANT DESIGN	PLANT CONSTRUCTION	COMMISSIONING	MONITORING AND MAINTENACE
PRODIEL	<b>✓</b>	<b>~</b>	<b>~</b>	<b>~</b>	<b>~</b>	<b>✓</b>
<b>STE</b> energy		<b>~</b>	<b>~</b>	<b>✓</b>		✓
WCEIT		<b>✓</b>	<b>~</b>	<b>~</b>		
GREEN		<b>~</b>	<b>~</b>	<b>~</b>		
<b>√</b> Bonatti		<b>~</b>	<b>~</b>	<b>~</b>		
ALEM		<b>~</b>	<b>~</b>	<b>~</b>		
CCONVERT				<b>~</b>		
soltigua"				<b>~</b>		
COMAL	<b>✓</b>	<b>✓</b>	<b>~</b>	<b>~</b>	~	✓
						✓ Directly executed

### SOLAR ENERGY INVESTMENTS GROWING GLOBALLY AND LOCALLY

#### **GLOBAL INVESTMENTS IN RENEWABLE ENERGY**



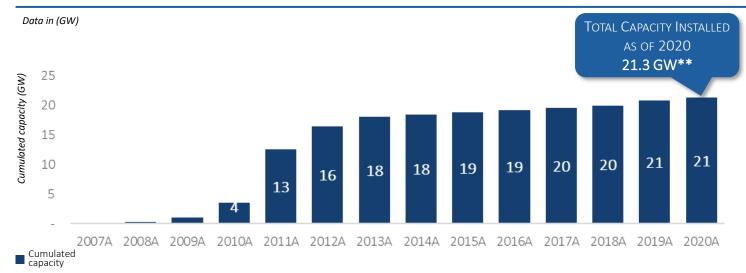


2021 global investments in renewable energy



/.8%
'07A – '19A CAGR%
investments in renewable energy

#### **PHOTOVOLTAIC PRODUCTION CAPACITY IN ITALY**



729 MW
2020 additional
production capacity
installed in Italy\*



€ +850 m

Value of new capacity installed in 2019 in Italy

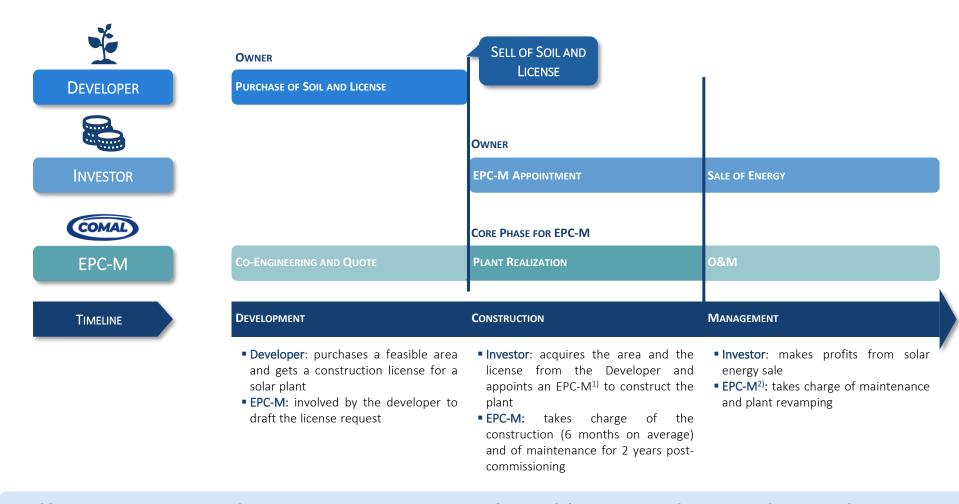
SOURCE: INTERNATIONAL RENEWABLE ENERGY AGENCY 2021 (\*), SOLAR POWER EUROPE APR. 2021 (\*\*)



# Business Analysis & Market Trends



### KEY ROLES IN A SOLAR PLANT DEVELOPMENT



COMAL HAS A KEY ROLE DURING CONSTRUCTION PHASE DUE TO ITS EXTENSIVE OFFER: ~50% OF TOTAL PLANT CONSTRUCTION COST FOR AN OWNER MUST BE CORRESPONDED TO COMAL

# STRONG CLIENT BASE

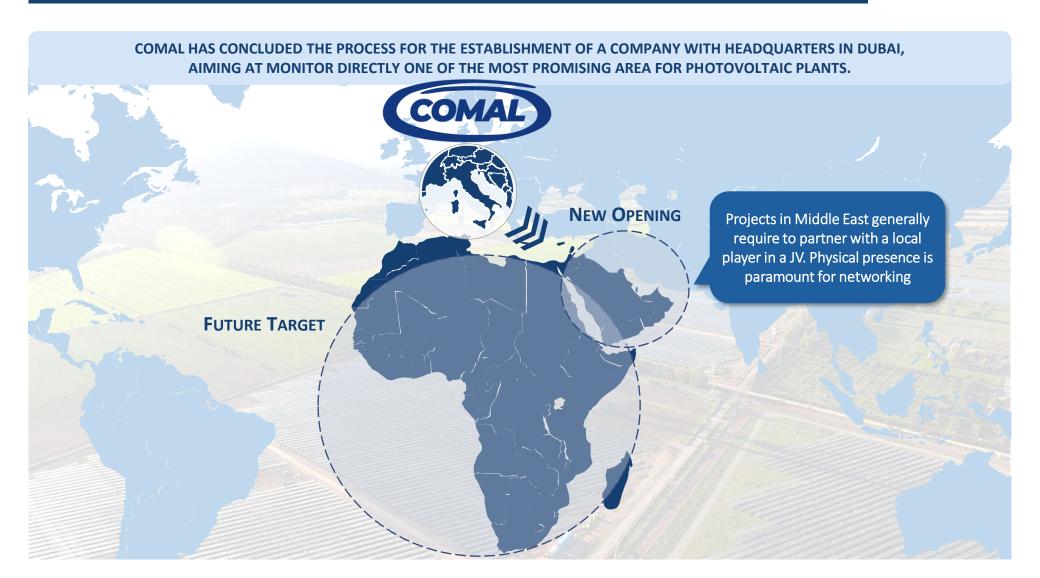
### **ENERGY/UTILITY PLAYERS ENERGY FUNDS/INVESTORS** octopus enel aza oceo EUROPEAN ENERGY investments **S**edison engie **PLANTS PLANTS** Macchiareddu, Sardinia Viterbo, Lazio South Africa acea Asi Troia, Puglia Margherita, Puglia Agira, Lazio **#**edison



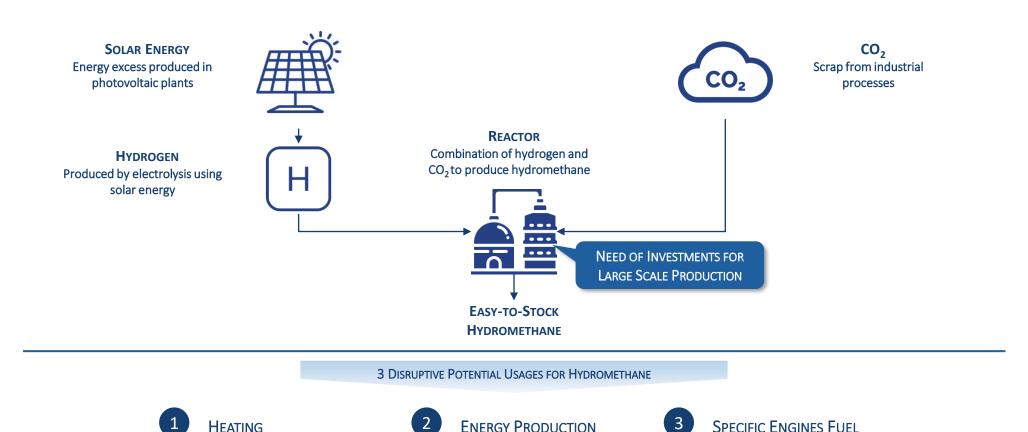
STRATEGIES



# LOCAL LEADER READY TO GO INTERNATIONAL



### **EXPLORE THE PROMISING ENERGY STORAGE BUSINESS**



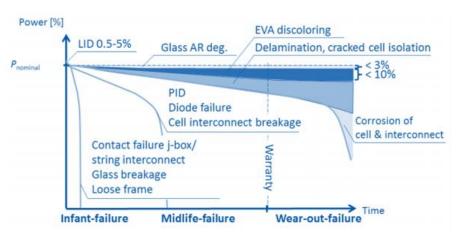
COMAL ENTERED INTO DISCUSSION WITH THE DEVELOPER OF A PROTOTYPE REACTOR FOR HYDROMETHANE PRODUCTION

LOOKING FOR A SOUND PARTNER TO LAUNCH LARGE SCALE PRODUCTION

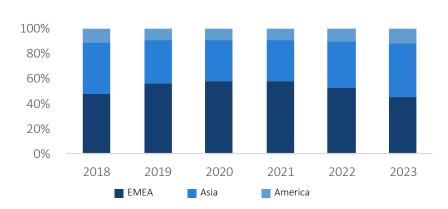
## REVAMPING IS A LUCRATIVE OPPORTUNITY

#### **EUROPEAN SOLAR PLANTS ARE GETTING OLDER**

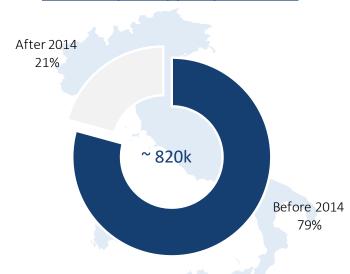
#### Typical failures in a PV module's lifecycle



#### 2018 – 2023 Global demand for PV inverters replacement by region



#### Italian solar plants by year of construction



- European countries have been the first one to invest in solar energy and they are nowadays the ones with the largest base of PV systems older than 5 years
- 650,000 of Italian solar plants have been installed before 2014 and solar modules started showing needs for renewal interventions
- Besides modules revamping, EMEA shows a significant demand for new inverters (3.4 GW replacement demand in 2019)



# **FINANCIALS**



# KEY FINANCIALS



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