

Beyond fossil fuel Carbon-efficient, baseload energy and biofuels for energy security and independence

© 2022 EOTEC plc

PHOTO: EQTEC commercia

DISCLAIMER

The information contained in this confidential document ("Presentation") has been prepared by EQTEC plc (the "Company"). It has not been fully verified and is subject to material updating, revision and further amendment. This Presentation has not been approved by an authorised person in accordance with Section 21 of the Financial Services and Markets Act 2000 ("FSMA") and therefore it is being delivered for information purposes only to a very limited number of persons and companies who are persons who have professional experience in matters relating to investments and who fall within the category of person set out in Article 19 of the Financial Services and Markets Act 2000 (Financial Promotion) Order 2005 (the "Order") or are high net worth companies within the meaning set out in Article 49 of the Order or are otherwise permitted to receive it. Any other person who receives this Presentation should not rely or act upon it. By accepting this Presentation and not immediately returning it, the recipient represents and warrants that they are a person who falls within the above description of persons entitled to receive the Presentation. This Presentation is not to be disclosed to any other person or used for any other purpose.

Please note that the information in this Presentation has yet to be announced or otherwise made public and as such constitutes inside information for the purposes of Article 14 of the Market Abuse Regulation (596/2014/EU) and the Criminal Justice Act 1993. You should not therefore deal in any way in the securities of the Company until after the formal release of an announcement by the Company as to do so may result in civil and/or criminal liability.

While the information contained herein has been prepared in good faith, neither the Company nor any of its shareholders, directors, officers, agents, employees or advisers give, have given or have authority to give, any representations or warranties (express or implied) as to, or in relation to, the accuracy, reliability or completeness of the information in this Presentation, or any revision thereof, or of any other written or oral information made or to be made available to any interested party or its advisers (all such information being referred to as "Information") and liability therefore is expressly disclaimed. Accordingly, neither the Company nor any of its shareholders, directors, officers, agents, employees or advisers take any responsibility for, or will accept any liability whether direct or indirect, express or implied, contractual, tortious, statutory or otherwise, in respect of, the accuracy or completeness of the Information or for any of the opinions contained herein or for any errors, omissions or misstatements or for any loss, howsoever arising, from the use of this Presentation.

This Presentation may contain forward-looking statements that involve substantial risks and uncertainties, and actual results and developments may differ materially from those expressed or implied by these statements. These forward-looking statements are statements regarding the Company's intentions, beliefs or current expectations concerning, among other things, the Company's results of operations, financial condition, prospects, growth, strategies and the industry in which the Company operates. By their nature, forward-looking statements involve risks and uncertainties because they relate to events and depend on circumstances that may or may not occur in the future. These forward-looking statements speak only as of the date of this Presentation and the Company does not undertake any obligation to publicly release any revisions to these forward-looking statements to reflect events or circumstances after the date of this Presentation.

Neither the issue of this Presentation nor any part of its contents is to be taken as any form of commitment on the part of the Company to proceed with any transaction and the right is reserved to terminate any discussions or negotiations with any prospective investors. In no circumstances will the Company be responsible for any costs, losses or expenses incurred in connection with any appraisal or investigation of the Company. In furnishing this Presentation, the Company does not undertake or agree to any

obligation to provide the recipient with access to any additional information or to update this Presentation or to correct any inaccuracies in, or omissions from, this Presentation which may become apparent.

This Presentation should not be considered as the giving of investment advice by the Company or any of its shareholders, directors, officers, agents, employees or advisers. In particular, this Presentation does not constitute an offer or invitation to subscribe for or purchase any securities and neither this Presentation nor anything contained herein shall form the basis of any contract or commitment whatsoever. Each party to whom this Presentation is made available must make its own independent assessment of the Company after making such investigations and taking such advice as may be deemed necessary. In particular, any estimates or projections or opinions contained herein necessarily involve significant elements of subjective judgment, analysis and assumptions and each recipient should satisfy itself in relation to such matters.

Neither this Presentation nor any copy of it may be (a) taken or transmitted into Australia, Canada, Japan, the Republic of South Africa or the United States of America (each a "Restricted Territory"), their territories or possessions; (b) distributed to any U.S. person (as defined in Regulation S under the United States Securities Act of 1933 (as amended)) or (c) distributed to any individual outside a Restricted Territory who is a resident thereof in any such case for the purpose of offer for sale or solicitation or invitation to buy or subscribe any securities or in the context where its distribution may be construed as such offer, solicitation or invitation, in any such case except in compliance with any applicable exemption. The distribution of this document in or to persons subject to other jurisdictions may be restricted by law and persons into whose possession this document comes should inform themselves about, and observe, any such restrictions. Any failure to comply with these restrictions may constitute a violation of the laws of the relevant jurisdiction.



EQTEC IS A TECHNOLOGY COMPANY

Built on end-to-end process knowledge and the best quality syngas

BASELOAD

VERSATILE

CLEAN

Genuine alternative to fossil fuels for baseload energy based on continual waste availability and 24 x 7 x 365 performance

60 feedstocks and the full range of offtake applications including electricity, thermal, SNG, H₂ and other biofuels

CO₂ emissions 30% lower than incineration; no nitrous

oxide, toxic dioxins, furans or heavy metals

decade of exceptional operational availability

Two R&D facilities and four EQTEC plants built, one with a

PROVEN

Eight EQTEC plants operational or under construction with 14 under development and 200+ in the pipeline



Projects using our technology are **profitable**, and we **guarantee** annual operational uptime of 86%

TRILLION

6100171161

1043

NET ZERO ADDRESSABLE MARKET 2022 – 2050

WITH OVER HALF NEEDED FOR BASELOAD ENERGY AND BIOFUELS

50

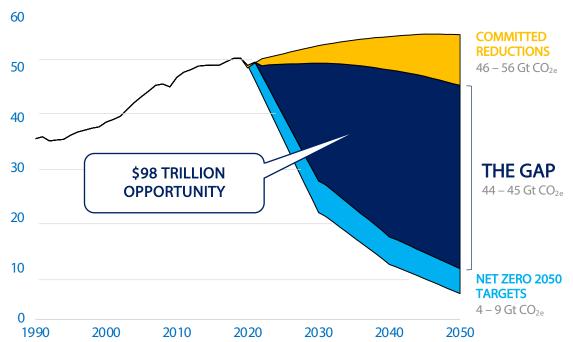
SOURCE:McKinsey & Co., The Net-Zero Transition 2022 International Energy Agency (2021), Net Zero by 2050, IEA, Paris

NET ZERO 2050 HAS A PROBLEM

The world has signed up to targets that current investments cannot achieve

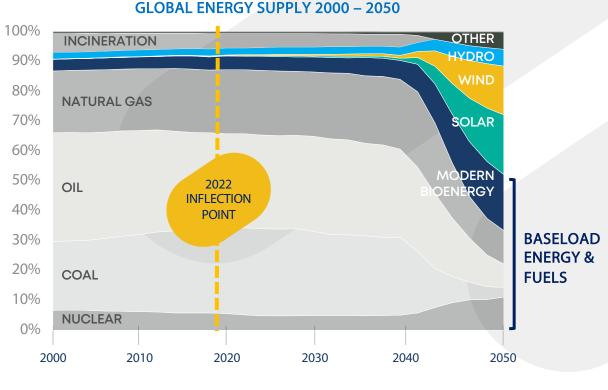
The lion's share of capital investment will go to carbonefficient energy alternatives

Investments to date leave a huge gap to Net Zero 2050, with 90% of baseload power now (>50% in future) from non-renewable sources that solar, wind and hydro power cannot replace



SOURCES: climateactiontracker.org (as cited by Bloomberg, Sky News, New York Times, Guardian, Telegraph and R4's Today programme); McKinsey & Co., *The Net-Zero Transition 2022*

GREENHOUSE GAS EMISSIONS 1990 – 2050



SOURCE: International Energy Agency (2021), Net Zero by 2050, IEA, Paris



THE MARKET FOR INNOVATION WILL GROW

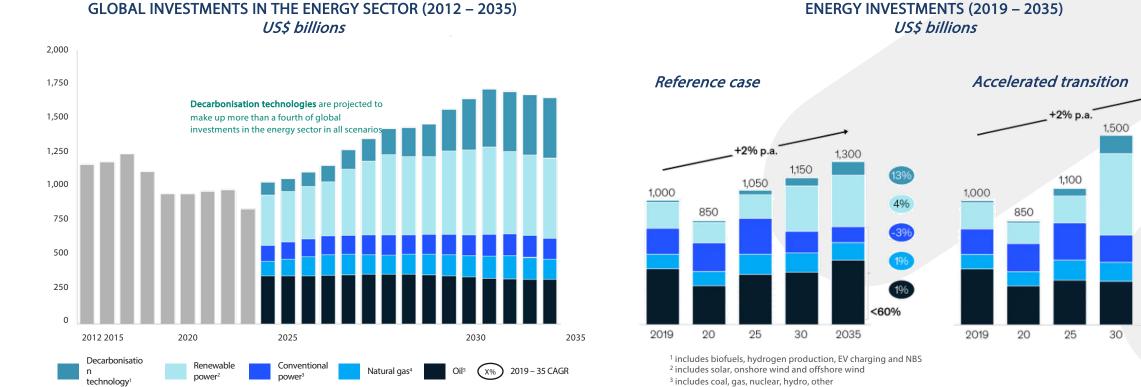
Growth in energy investments driven almost entirely by new technologies

Investment follows CAGR, which is dominated by new decarbonisation technologies

1.300

2035

McKinsey report concludes that substantial investments are required across sectors to accelerate the energy transition, projecting the fastest growing segment to be decarbonisation technologies



⁴ includes upstream gas and LNG

⁵ includes upstream oil, oil refining, specialty chemicals, petrochemical (only for reference)

SOURCE: McKinsey Energy Insights Energy Value Pools Model

SOURCE: McKinsey Energy Insights





OPERATIONAL UPTIME

120,000+ OPERATING HOURS

TECHNOLOGY VERSATILITY = COMMERCIAL VIABILITY

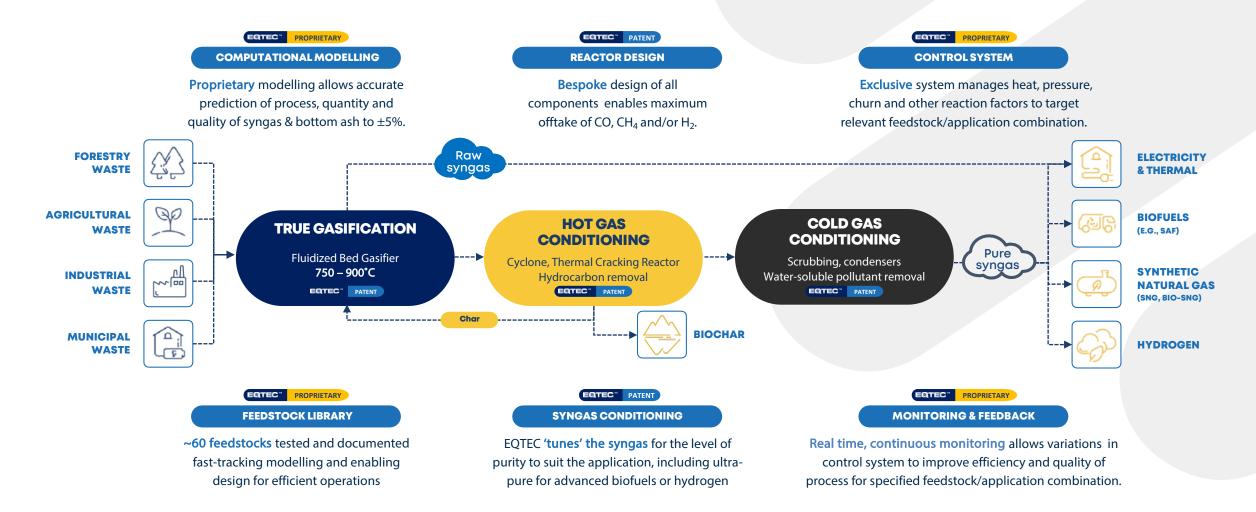
GUARANTEED AT 7,500 HOURS P.A. (c. 86%) BY CONTRACT

PHOTOS: EQTEC monitoring & control systems; EQTEC-enabled commercial plant; EQTEC R&D facility

EFFICIENCY AND VERSATILITY

EQTEC's IP is not a piece of equipment but world-leading design & engineering

EQTEC equipment is the physical manifestation of its end-to-end process know-how



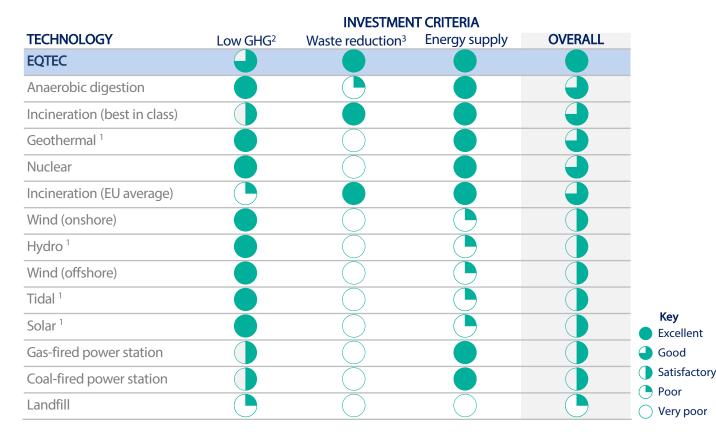


GREEN HOUSE GAS (GHG) FOOTPRINT

EQTEC outperforms nearly every alternative in terms of low GHG emissions

GHGs include seven harmful gases* with a warming impact on the climate, measured in CO₂ equivalent (CO_{2e})

EQTEC outperforms other waste-to-energy alternatives and other technologies that do not address waste or baseload power



EQTEC's process addresses both waste and energy generation emissions without burning and without releasing GHGs from its end-to-end gasification process

EQTEC's process is...

- 22% more efficient than incineration at waste-to-energy conversion
- 56 115% less emitting of greenhouse gases (CO2_e) than incineration
- $\ensuremath{\not|} 89\%$ less emitting of greenhouse gases (CO2_e) than landfill disposal

...because EQTEC's process produces...

- 💈 No toxic dioxins and furans
- 💈 <u>No</u> fly ash
- 💈 No nitrous oxide emissions
- 💈 <u>No</u> fly ash
- 💈 Non-hazardous bottom ash with no poisonous metals
- 🔗 Autothermic reactions that drive a continuous process without added heat

* The seven GHGs (and their CO_{2e}) are: CO_2 carbon dioxide (x1); CH₄ methane (x28); N₂O nitrous oxide (x265) and four 'F gases' (x23,500), including HFCs hydrofluorocarbons, PCFs perfluorocarbons, SF₆ sulphur hexafluoride and NF₃ nitrogen trifluoride.



COMMERCIAL OPERATIONS

vedrs

PLANT FOR 1+ DECADES
R&D FACILITIES
4 COMMERCIAL-SCALE PLANTS
5 PLANTS UNDER CONSTRUCTION
14 PLANTS UNDER DEVELOPMENT

+100s OF QUALIFIED OPPORTUNITIES IN A GROWING 'PIPELINE OF PIPELINES'

PROVEN PERFORMANCE

Added value from 'impossible' waste

The Movialsa plant proved EQTEC's capabilities with complex waste 'problems'

MOVIALSA, SPAIN

Size: 5.9 MWe & 6.6 MWth

Project status: Commissioned (2011)

Background:

Spain produces approximately four million tonnes of olive pomace waste annually. Because it contains high concentrations of polyphenols, lipids and organic acids, if olive wet pomace is not properly dried and disposed of, it seeps into the ground, changing the acidity and polluting soil and water. This is becoming a significant issue for the industry throughout the Mediterranean region.

More information

In 2011, EQTEC built a gasification plant at Movialsa in Ciudad Real, Spain to help solve the problem of creating value from complex biomass waste. Olive pomace waste is a difficult feedstock to process due to its high content of sodium and potassium, alkaline metals with very low melting points. The second challenge was the need to make seasonal adjustments to the balance of electricity and heat production from the plant.

With EQTEC's technology, Movialsa has been able to process olive pomace residue successfully, creating the first fully operational business case in the world for this feedstock, operating without subsidies or incentives.

Since 2011, the plant has clocked over 120,000 audited operating hours through its 3 GE Jenbacher engines, fed by a single EQTEC gasifier, producing 5.9 MWe of electricity and 6.6 MWth of steam – all from "difficult" to process olive pomace waste. This means not only is the plant successful, it is also the oldest and largest commercial scale gasification plant in this industry.





Biomass-to-energy configuration





PROVEN PERFORMANCE

90%+ operational availability for over a decade

Very few if any waste-toenergy technologies deliver consistently at 90%+ uptime

MOVIALSA, SPAIN

Technical Specifications

Location	Ciudad Real, Spain
Size (MWe / MWth size)	5.9 MW _e & 6.6 MW _{th}
Electrical efficiency	28%
Total efficiency (electrical & thermal)	64%
Feedstock	Olive Mill Pomace (high ash content, with high content of alkaline metals (K, Na) and very low melting point)
Feedstock throughput	17,000-20,000 tonnes per annum
Engine	3x GE Jenbacher 620
Operating temperature range	720-750°C
Operating hours	111,000+ (third party certificates available)
Commission / Due Date	2015
Type (Commercial/R&D Pilot)	Commercial
Category (biomass-to-energy, biomass-to-bioenergy, RDF-to-energy)	Biomass-to-energy
Applications (Electricity, thermal, biochar, biofuels)	Electricity, thermal

Externally audited operational data (2015 – 2020)

Parameter	Unit	2015	2016	2017	2018	2019	2020
Plant availability	hrs/year	8,600	7,300	7,060	7,800	7,314	8,157
	%	98	90+	90+	90+	90+	93
Equivalent electrical efficiency	%	45	39	38	39	38	38
Electricity / feedback ratio	KW/kg	1.4	1.4	1.4	1.4	1.4	1.4



PIPELINE

Projects follow strategy, prioritised to demonstrate specific solutions

EQTEC has well over 200 opportunities in its complete pipeline, increasing weekly



MARKET DEVELOPMENT CENTRES

The magic of MDCs is the multiplier effect they deliver for growth and margin

MDCs are a critical first step to showing solution value, toward growing and scaling business



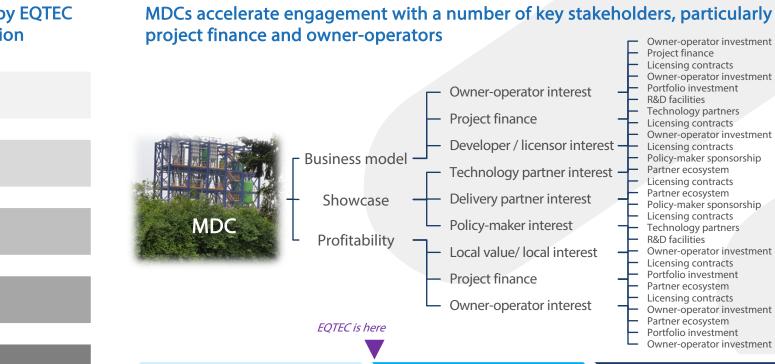
A MDC is a live, commercial plant operated by EQTEC and used to showcase the technology in action

PROJECT FINANCE ACCELERATION

DEMAND INCUBATION

BUSINESS MODEL SHOWCASE

SOLUTION MODEL SHOWCASE



COMMERCIALLY VIABLE PLANT

EQTEC-partial funding

Project finance- fully funded

WHAT IT DELIVERS

Owner-operator-fully funded



Strategy to innovator & global licensor

SOLUTION VERSATILITY GO-TO-MARKET PLATFORM GLOBAL PARTNER NETWORK THREE-STAGE ROADMAP

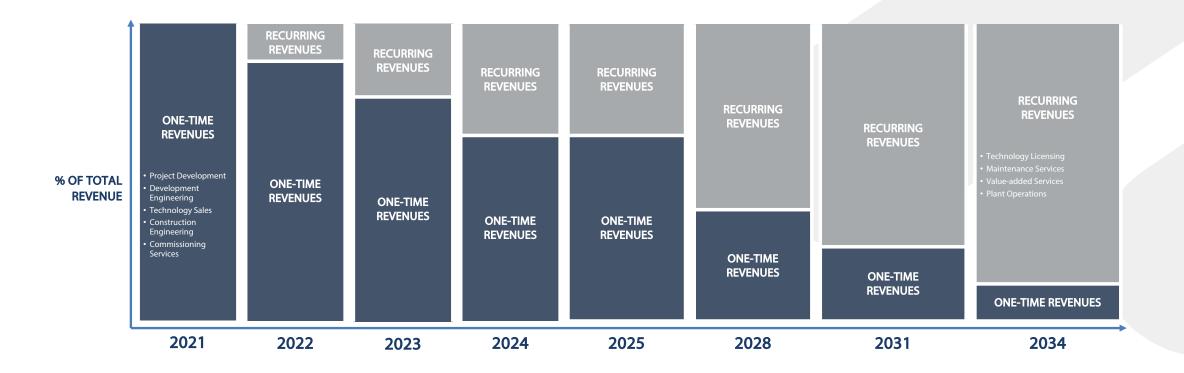
PROVING, GROWING & SCALING TECHNOLOGY AND GLOBAL LICENSING NETWORK

BE A TECHNOLOGY LICENSOR

Transition from one-time project revenues to being an 'order book' business

100s of plants running EQTECnot dozens of projects

Proportion of revenue from one-time revenues versus recurring revenues, 2021 – 2034

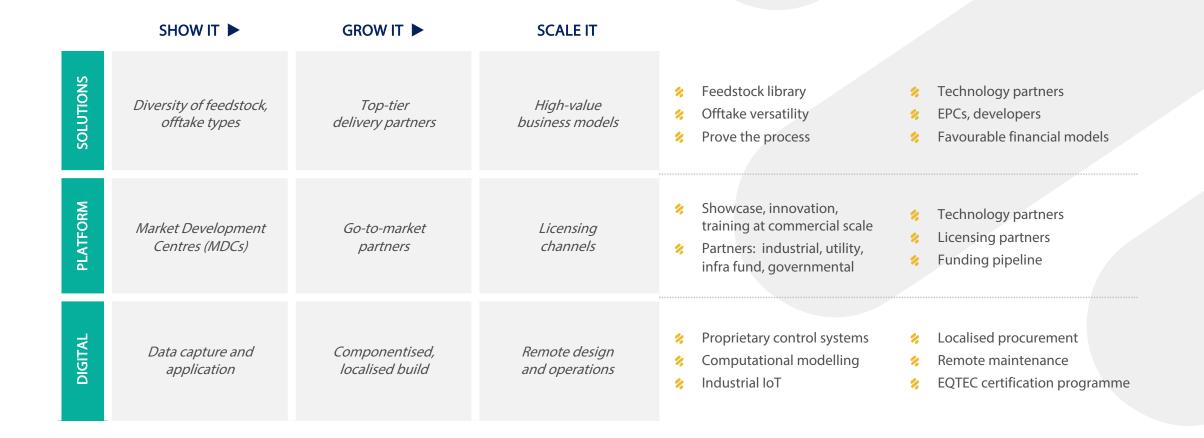




ROADMAP

Target investments at specific activities toward the future model

As the strategy progresses, EQTEC can focus more on its core technology capabilities





STRATEGIC PARTNERS

The launch platform for scale and enterprise growth is already set

EQTEC's proven technology and scalable solutions make it attractive to top-tier partners

TECHNOLOGY

Collaborate with complementary technologies that augment EQTEC's capabilities and/or help get them to market into more business models, including multitechnology facilities.



Collaborate by leading project development up to FID/ Financial Close, with planning, permitting, negotiation of feedstock and offtake terms and onboarding of a Lead Contractor/ EPC. Coordinates funding effort to sell on SPV to an investor or owner-operator.



Collaborate by leading the integrated plant design, procurement, construction mobilization, plant build and full commissioning. De-risk and accelerate plant build and engage EQTEC purely as core technology and engineering expert. Push EQTEC to new markets.

Collaborate with additional capabilities that augment the value proposition by EQTEC, de-risk the plant construction and/or support EQTEC's longer-term development as a global licensor and innovator.



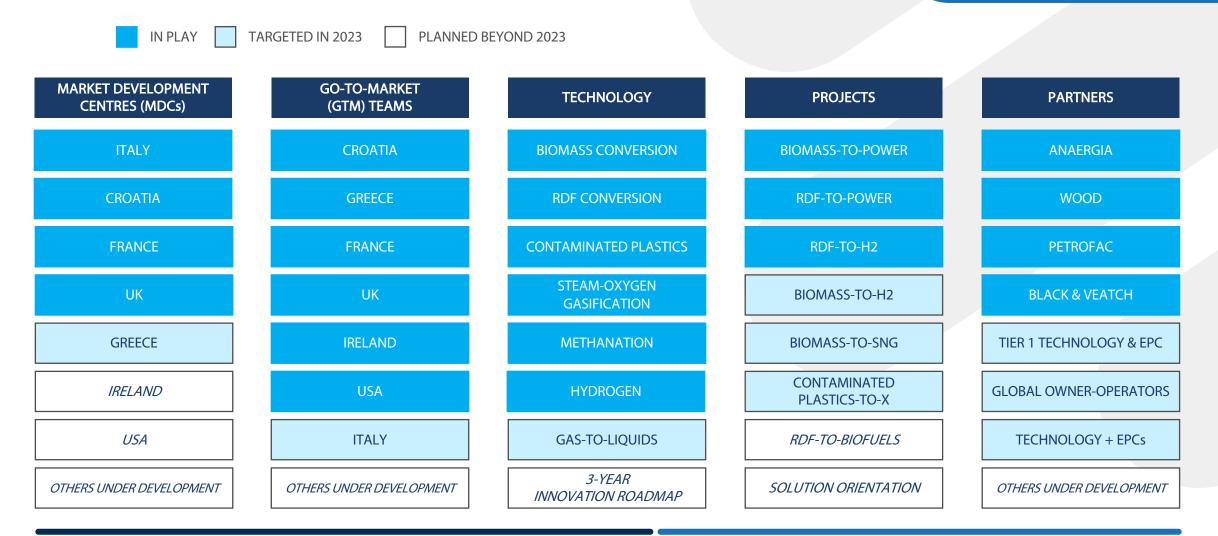
Lists above include parties with formal collaboration agreements with EQTEC and others in conversation with EQTEC; lists are not exhaustive.



ACCELERATION

The puzzle pieces are coming together to position EQTEC as market leader

We are positioning as the leader in both technology and commercial project execution





Performance

Solid growth 2021 – 22

REVENUE UP OPEX EVEN TIER 1 PARTNERS 20+ ACTIVE PROJECTS 3 MARKET DEVELOPMENT CENTRES

2 x PLACINGS SUCCESSFULLY DEPLOYED c. £20m INTO CAPITAL PROJECTS



Innovating and deploying clean solutions for advanced biofuels and energy for a Net Zero future.

NESTO BRAVO CAMPOS

echanical Enginee

27 professionworld

Chief Executive Officer (Commercial and Investment

AVID PALUMBO



IEL ENTENZA ME

ectrical Enginee



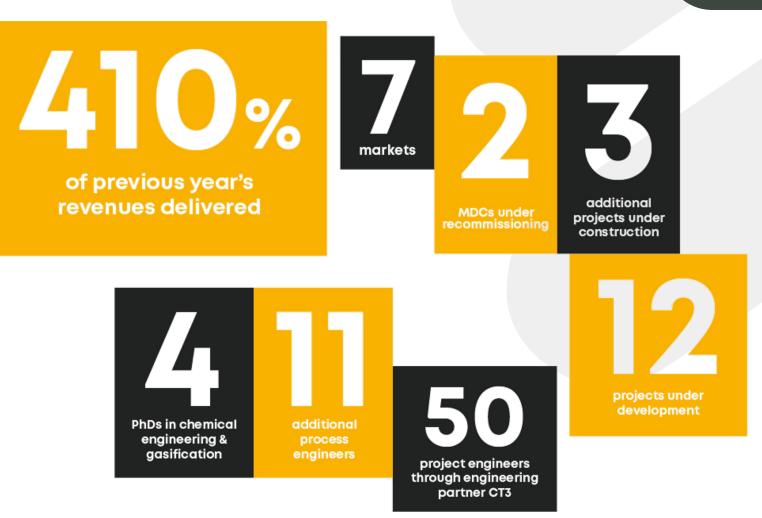
LAURA LUCAS Head of Strategic Gr



2021 highlights

At a glance

The business is in a much more stable position than it was even one year ago





2022 H1 highlights

At a glance

EQTEC continues to grow and develop in the face of market turbulence and uncertainty



FINANCIAL

- Revenue up: €2.98 million (H1 2021: €0.48 million)
- Gross profit up: €0.24 million (H1 2021 €0.07 million)
- Selition (H1 2021 €3.49 million)

COMMERCIAL & OPERATIONAL

- Two of three MDCs progress toward key milestones
- **UK RDF projects** move ahead with top-tier partners
- Contaminated plastics and liquid fuels added to solution portfolio
- Project finance accelerates project development in Greece, UK and USA



EQTEC

 Public Provide Formation
 Danke

 Dankon Dankon
 Cracies
 Danke

 Danke
 Cracies
 Děkuji 🛛

CD

PHOTO: Site for new, EQTEC-enabled waste wood plant at Wilseyville, California, USA