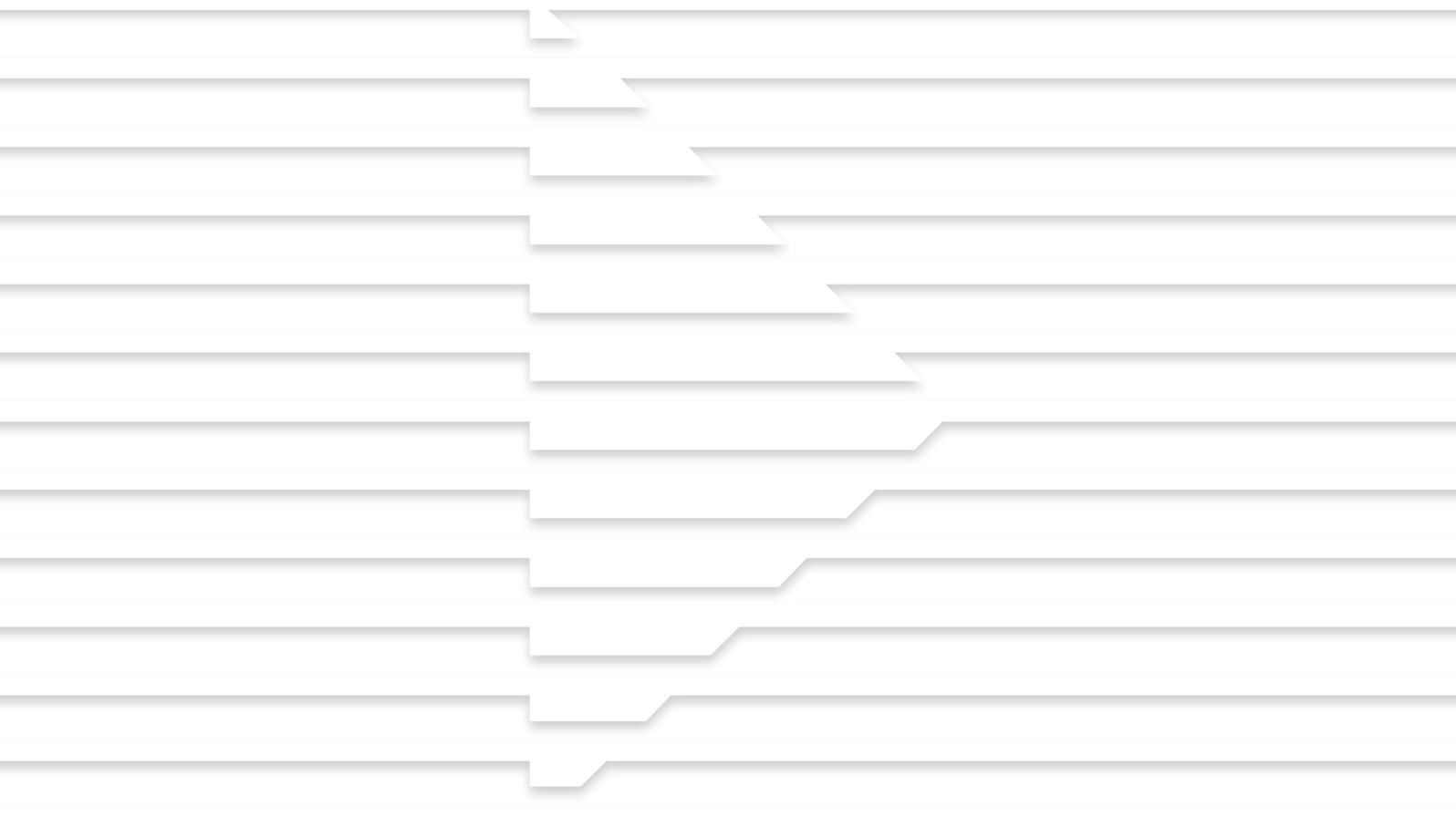
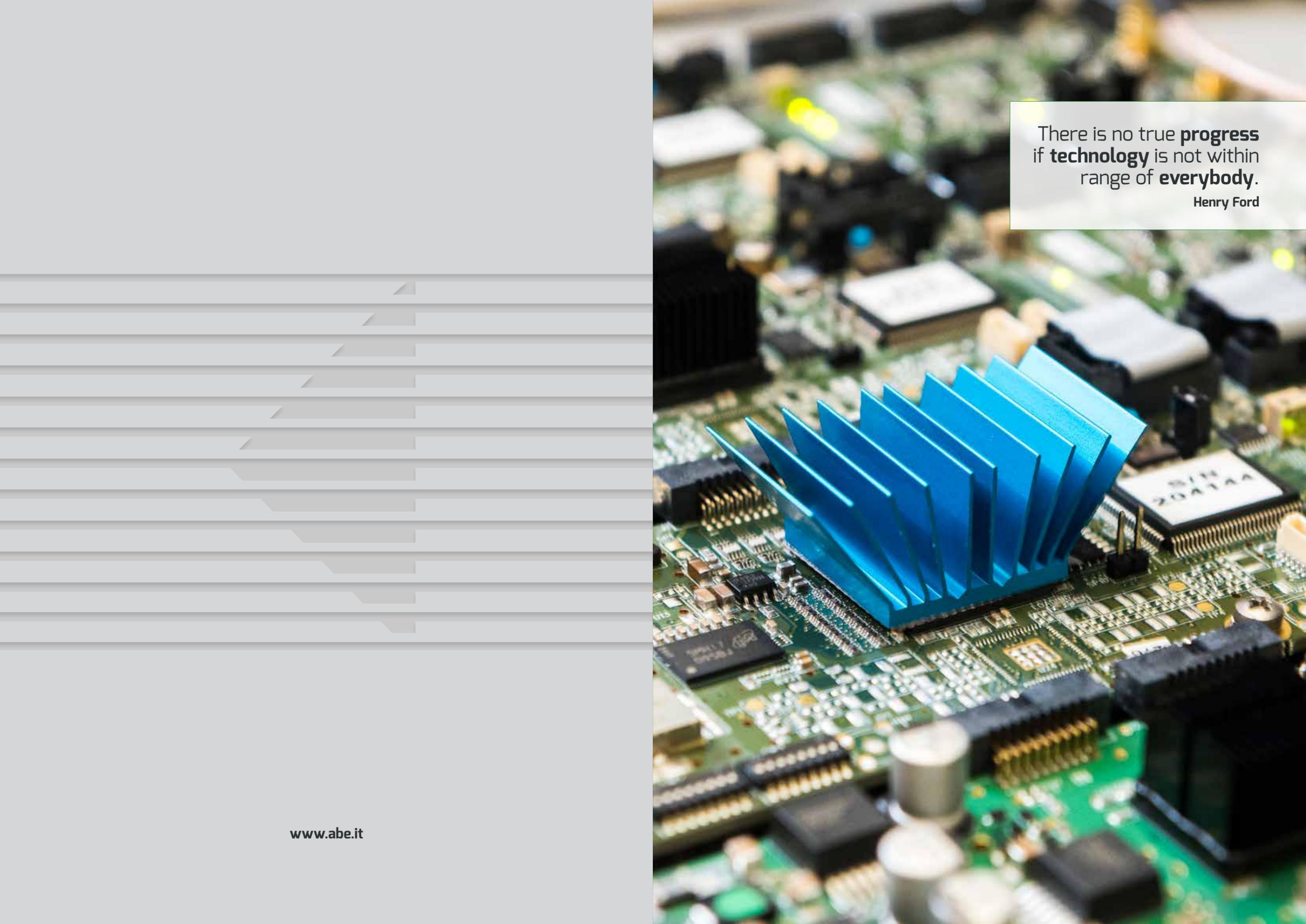


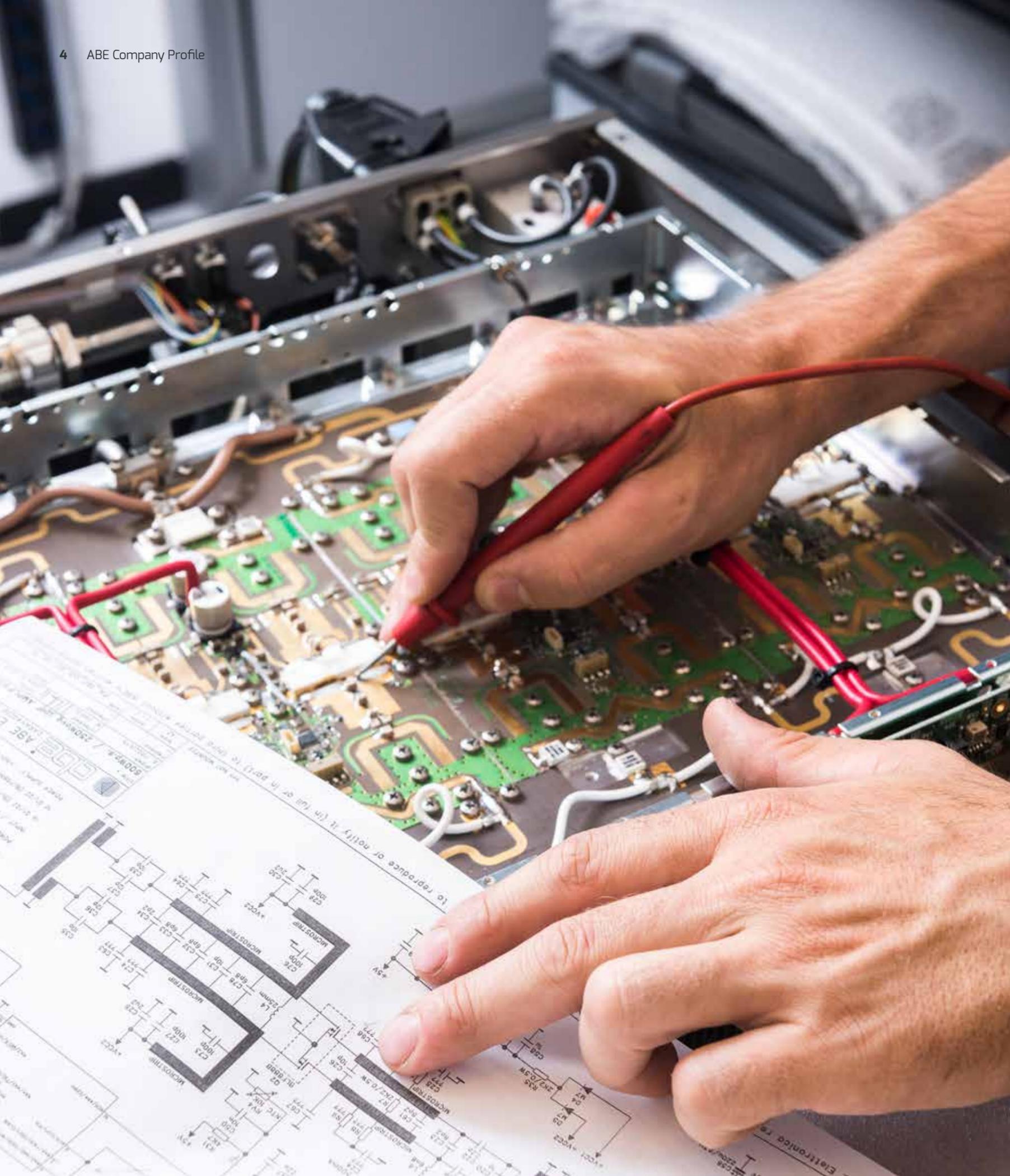
Company Profile





There is no true **progress**
if **technology** is not within
range of **everybody**.

Henry Ford



ADVANCED BROADCASTING ELECTRONICS

If you can think it, you can do it

Since 1979 we design and manufacture a **complete range of equipment** for digital and analog Radio and TV Broadcasting. To be innovative has often meant having the courage to **anticipate market needs** by offering something unexpected. For this reason, time has rewarded us and today we can count on a **real authority** gained in the world of broadcast technology.



END TO END BROADCASTING SOLUTIONS

Our Products



HEAD END

Audio & Video SD-HD MPEG Encoders, Multiplexers and Re-Multiplexers with advanced features (statistical, EPG, etc.).



BACKHAULING

Terrestrial and Satellite Microwave Links, fixed and mobile, specific for Broadcasting. Satellite uplink Modulators, SAT and terrestrial receivers.



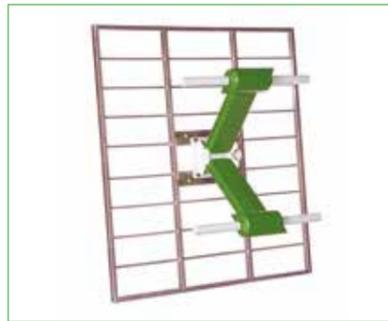
TV TRANSMITTERS

TV Transmitters, Repeaters, Gap-Fillers for digital, analog, dualcast, multistandard terrestrial broadcasting. Compact versions for low and medium power, multi-unit for high power.



FM TRANSMITTERS

With WaveArt brand and highly advanced features, low, medium and high power FM Transmitters are also produced with satellite or terrestrial input.



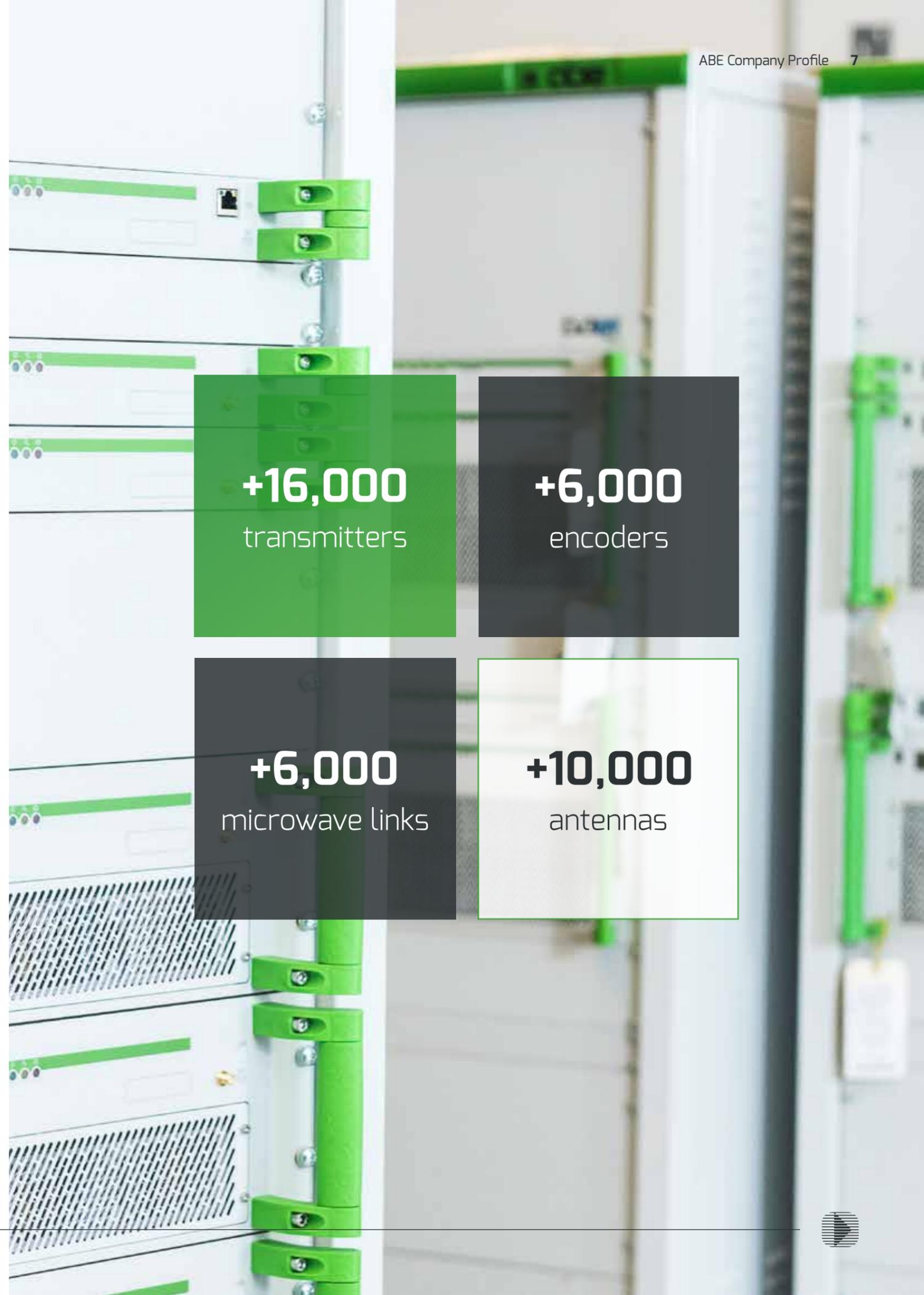
ANTENNAS

Antennas and Radiation Systems for Radio and TV Broadcasting. Coverage predictions, interference analysis (SFN, disturbances, etc.).



OTHER PRODUCTS

GPS-Glonass Synchronizers, Instruments, Accessories, Consultancy, OEM Products (products or parts - boards provided with partnership agreements).



+16,000
transmitters

+6,000
encoders

+6,000
microwave links

+10,000
antennas



My greatest **satisfaction?**

To meet a Client who **comes back to us** to replace old equipment, in operation since the 90s, for switching to Digital.

Roberto Valentin
ABE Founder

A close-up photograph of a bright green plastic component, likely part of a machine. The component features the 'ABE' logo embossed in a bold, black, stylized font. To the left of the logo is a circular vent with a grid pattern. The background is blurred, showing other parts of the machinery in shades of blue and grey.

FROM THE INTEGRATED APPROACH TO THE CONCRETE VALUE

Vision & Mission



VISION

Radio and TV Broadcasting is intended to **change constantly** to continue satisfying, in an ever-evolving, technologically advanced and extensive way, the **need for communication**, information and entertainment of our society.



MISSION

To develop with **passion and creativity** the complete supply chain of technologies and products for **digital and analog radio and TV Broadcasting**. Carefully analyze the Broadcasting market to anticipate and stimulate its needs. Be protagonists with the developed products and the **technological know-how** acquired through of our **cross-cutting approach**, being aware that only the integrated method can turn into **real value for our Partners**.



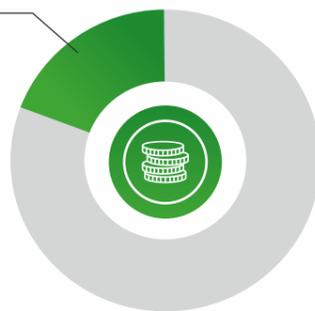
RESEARCH AND DEVELOPMENT

Made in ABE

Among the many data we can quote, two are worth more than a thousand words.
 Over **20% of our revenue** is invested in **R&D** and over **one third of our staff** is allocated in that area.
 Every single part developed and **"made in ABE"** is an ensemble of creativity, study, experience, technological passion and experimentation.
 Products are constantly monitored and revised to keep them up to the **state of the art**.
 An intense collaboration with **universities** and **research** institutes promotes a constant **technological effervescence**.

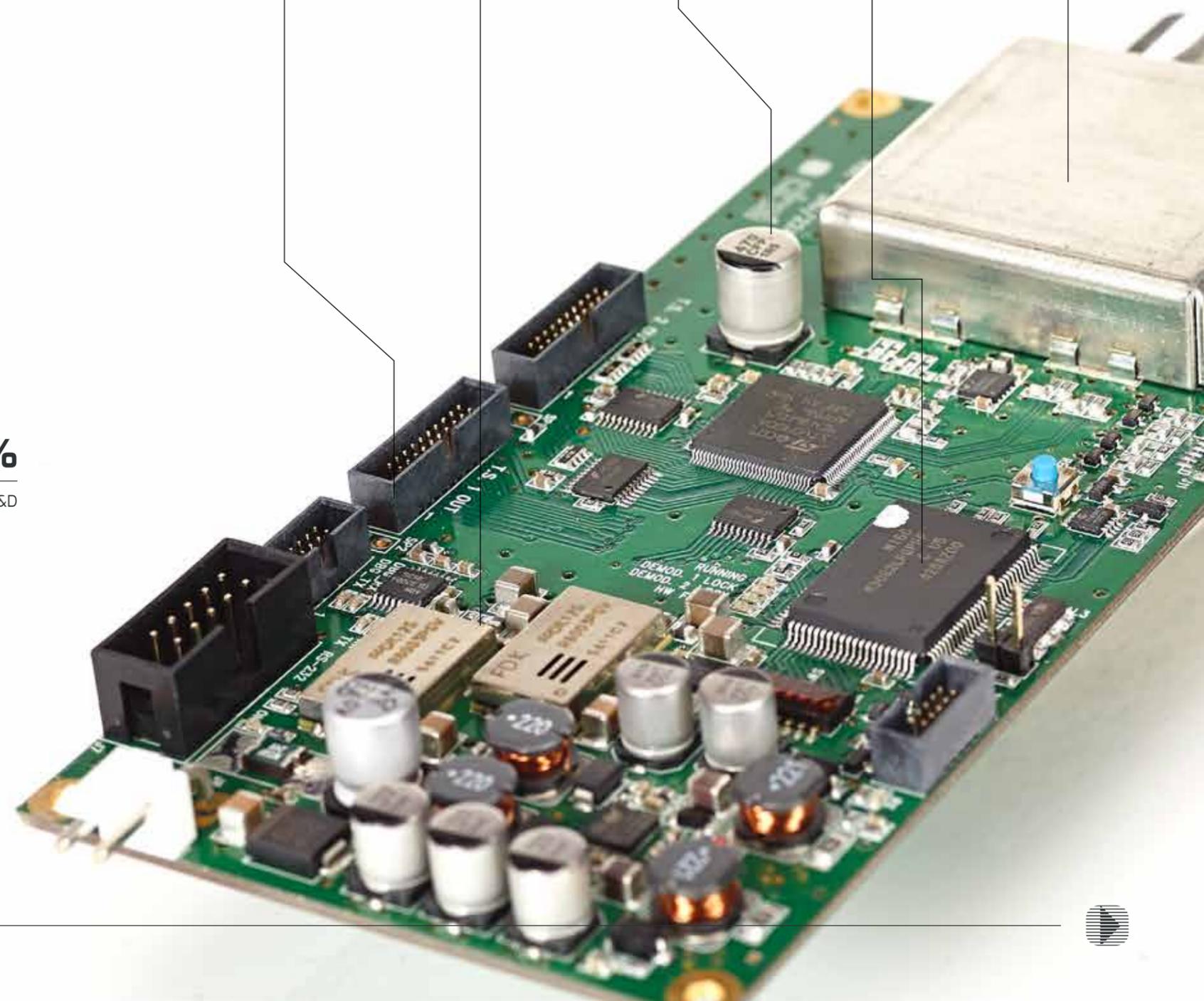
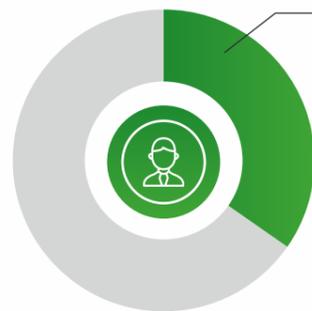
20%

Annual revenue invested in R&D



35%

Employees in R&D





Creativity made in Italy

+ INVENTION

+ PASSION

+ CREATIVITY

Even in technology, **creativity** is of paramount importance. We don't believe in preconceived approaches to problems: our Partners appreciate our **ability to help** them with **personalized consulting and products** focused on

specific needs. Design and manpower are **100% Italian**: local roots and love for **well-made work** remain the **keystones** of our business and represent our greatest **competitive leverage**.

**We are what we repeatedly do.
Excellence is not an act but a habit.**

Aristotele



ABE PEOPLE

The Team strength

We are proud of the **multi-year history** of our company, where every employee has always played a **decisive role**. The **great achievements** we have delivered are the result of **excellent synergies** born among **valuable people**. You will find the personality of our team in **every ABE project**.

MANAGEMENT 

ADMINISTRATION 

SALES 

R&D 

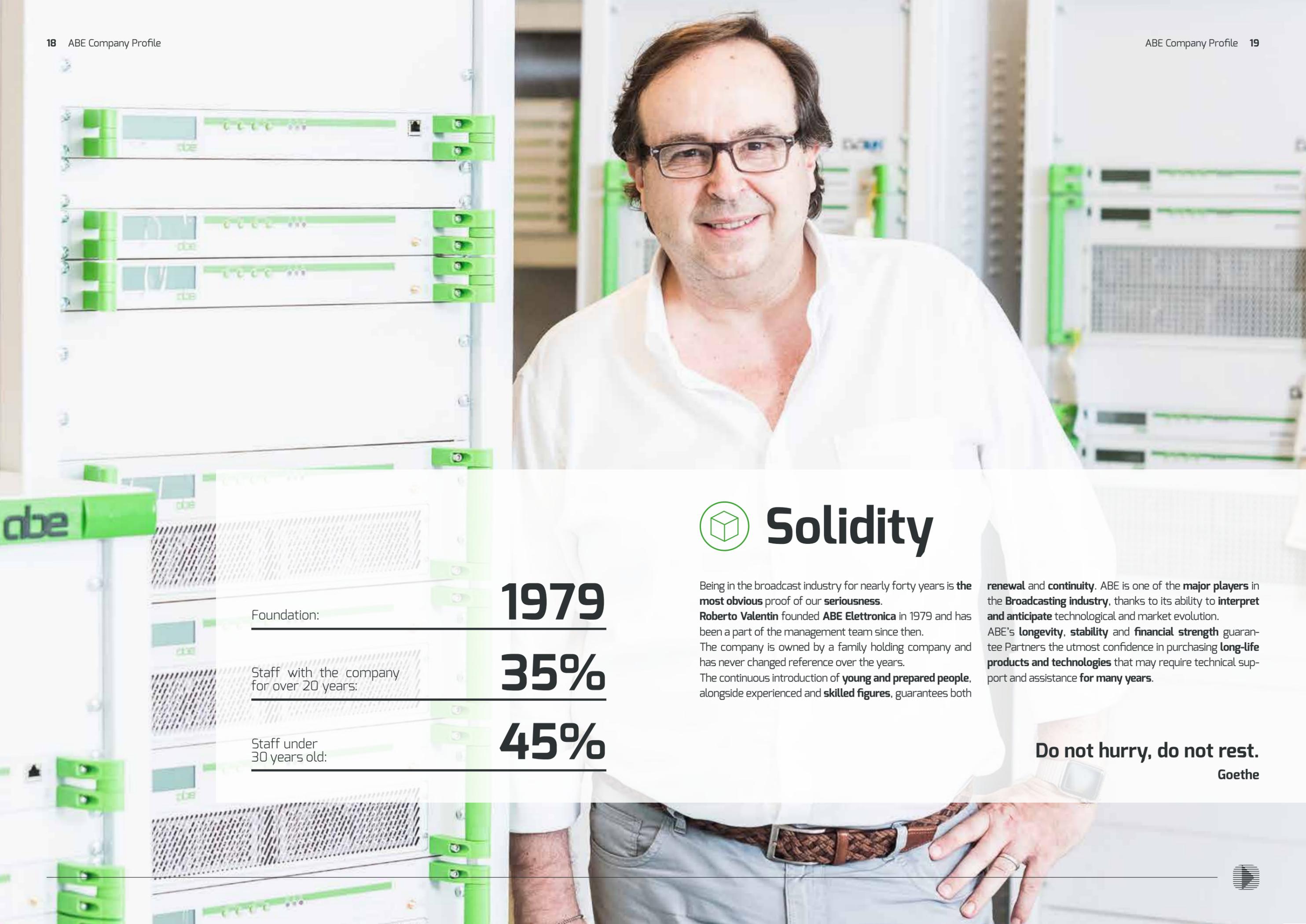
PRODUCTION 

QUALITY 

CUSTOMER CARE 

MARKETING 





Solidity

Being in the broadcast industry for nearly forty years is **the most obvious** proof of our **seriousness**.

Roberto Valentin founded **ABE Elettronica** in 1979 and has been a part of the management team since then.

The company is owned by a family holding company and has never changed reference over the years.

The continuous introduction of **young and prepared people**, alongside experienced and **skilled figures**, guarantees both

renewal and **continuity**. ABE is one of the **major players** in the **Broadcasting industry**, thanks to its ability to **interpret and anticipate** technological and market evolution.

ABE's **longevity**, **stability** and **financial strength** guarantee Partners the utmost confidence in purchasing **long-life products and technologies** that may require technical support and assistance **for many years**.

Foundation:

1979

Staff with the company for over 20 years:

35%

Staff under 30 years old:

45%

Do not hurry, do not rest.

Goethe



PREMIUM SERVICES

For you we bend over backwards

Our Partners can count on a unique **service** and **support** package, which makes **reliability** not only a strong point but a fact.

NETWORK PLANNING

Thanks to the knowledge and experience gained in about 40 years of activity, ABE assists Partners in **designing, planning** and **implementing** broadcasting networks: from the definition of requirements and technical specifications, to coverage simulations, assistance, and evaluation of management costs.

TECHNICAL TRAINING

We organize factory and on-site professional **training courses**, which can cover both basic theory and **installation, use** and **maintenance** of the equipment.

REMOTE TECHNICAL SUPPORT

We consider ourselves a **Partner of your business**. That's why we have created a **high-quality Customer Care service**: our engineers are **at your disposal** and you can always contact them by phone, Skype or email to get **assistance, spare parts** and **support** to get the **best performance** from our products.

ON-SITE SERVICES

We help our Partners, including "on the spot", to **implement, develop** and **maintain** the technological infrastructure for backhauling and broadcasting. We are available to send our technicians to our partners, **anywhere in the world**, for **supervising** installations and providing **technical support**.



NETWORK
PLANNING



TECHNICAL
TRAINING



REMOTE TECHNICAL
SUPPORT



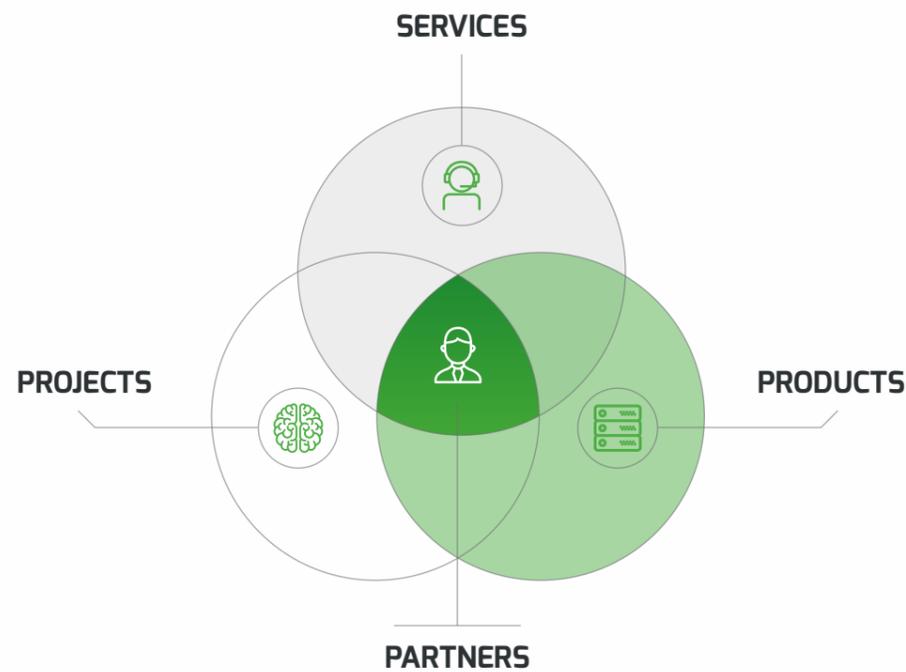
ON-SITE
SERVICES



OUR PROSPECTIVE LOOK

Our difference, your resource

Our strength is the **cross-cutting competence** that few others can claim: we embrace **all the technological aspects** of Broadcasting. Having developed technologies and products **across the Broadcasting chain** (signal encoding, microwave links, transmitters, radiation systems) means to be able to support Partners **in every respect**, with open and effective sharing of **expertise** and **global solutions**.
If you have a new project to implement or if you need to broaden or technically upgrade a network, **ABE is your right Partner**.





Sustainability

- DISPERSAL

+ SAVING

+ PERFORMANCE

Our **sustainability** concept is closely interwoven with **efficiency**. We design and build **high performance equipment** as environmentally friendly as possible: the energy efficiency is as important as the **quality** of the generated signals. Our equipment is designed to have an **ever-increasing average life** and **higher performance**.

We have developed an advanced **diagnostic system** that allows us to measure - and consequently improve - the

performance of the equipment, both from maintenance and energy perspectives.

But sustainability also concerns the **overall design** of a network: it means the calculation of the right compromise between the gain of the radiation system and the power employed, as well as a **proper evaluation** of the capital to be invested (CAPEX), the operating costs (OPEX) and so on.

**My interest is in the future
because I am going to spend the rest of my life there.**

Charles F. Kettering



OUR SPIN-OFF

WaveArt

In 2016 we founded **WaveArt**, a company specialized in **FM Radio Broadcasting**. WaveArt products are designed to provide **outstanding performance for cutting-edge radio stations**. We are fascinated by **smart technology** and by solutions able to improve people's lives. Our focus is on people, to their business and to their radio experience.

Reliability, efficiency, features, **design** and fair price are just a few of our **inspiring principles**. Decades of experience in TV Broadcasting and **continuous interactions** with other fields make our products unique.

Just as unique are the **head** and the **heart** of who conceived them.



Technology



Heart



Intuition



Power



Head





Technology

+ EXPERIENCE

+ RESEARCH

+ INNOVATION

We believe it is essential to increase our **technological know-how** every day: originality and **excellence** are the **natural consequences** of passion, study, research and experience.

We periodically carry out **scouting activities** to understand the evolutions of the industry and its latent needs

to define the **future development** of our products. We constantly think about **ergonomics** too, as we believe that the best technology can't ignore its **usability**. You will find in our products the **most advanced technology** at the **right price**, because there is no progress without **economic sustainability**.

Today's technology was unthinkable fifty-sixty years ago. But technique alone is not enough, we need a broader view.

Rita Levi Montalcini



LOCAL ROOTS

History, Culture and Technology with Italian Style

Italy is known and **appreciated in the world** for its history, art, design, fashion, cooking, football and Ferrari. Even though those accomplishments are **certainly remarkable**, they are **not the only things**. Italy boasts traditions that are not second to none **science** and **technology** as well. These traditions have their roots far back in time: just think of **Leonardo da Vinci** and **Galileo Galilei**. Focusing our thoughts just on a more recent period and on the electric, electronic and telecommunications sectors, we certainly cannot ignore **Luigi Galvani**, **Alessandro Volta**, **Antonio Meucci** and **Guglielmo Marconi**.

Bergamo - the province where ABE has its headquarter and roots - rich in history and monuments, is also linked to an illustrious figure of the telecommunications industry as **Andrew Viterbi**, famous for the error correction algorithm that bears its name, but also for his working for **NASA**, his consultancy to the **US Presidency**. He is also well known as an academic and a very successful entrepreneur (he founded, among others, **QUALCOMM**). We are proud and feel the responsibility to be **ambassadors of our country** in the world.



ABE IN FIGURES

Numbers that matter

1979
foundation



+ 40,000
equipments sold

100
countries around the world
with ABE products



5,000mq
factory working area

-70%
average reduction in equipment power
consumption over the last 20 years

ABE IN THE WORLD

Our signal arrives anywhere

Internationality is a value but also a challenge. ABE equipment is installed in more than 100 countries. Partnering around the world means that we know how to adapt to different needs: a continuous exercise in flexibility.



15% America

5% Oceania

30% Africa

20% Asia

15% Western Europe

15% Eastern Europe



CERTIFICAZIONI

The quality policy

We believe that only the **quality policy** can **make the difference** in a competitive and international market.

For this reason, we are an **ISO 9001** certified company since 1997. The ABE quality system is **constantly verified** and updated to **follow the evolution** of business needs and standards.



FROM THE IDEA TO THE PRODUCT

How to get excellence



DESIGN



PRODUCTION



TEST



SUPPORT

www.abe.it



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