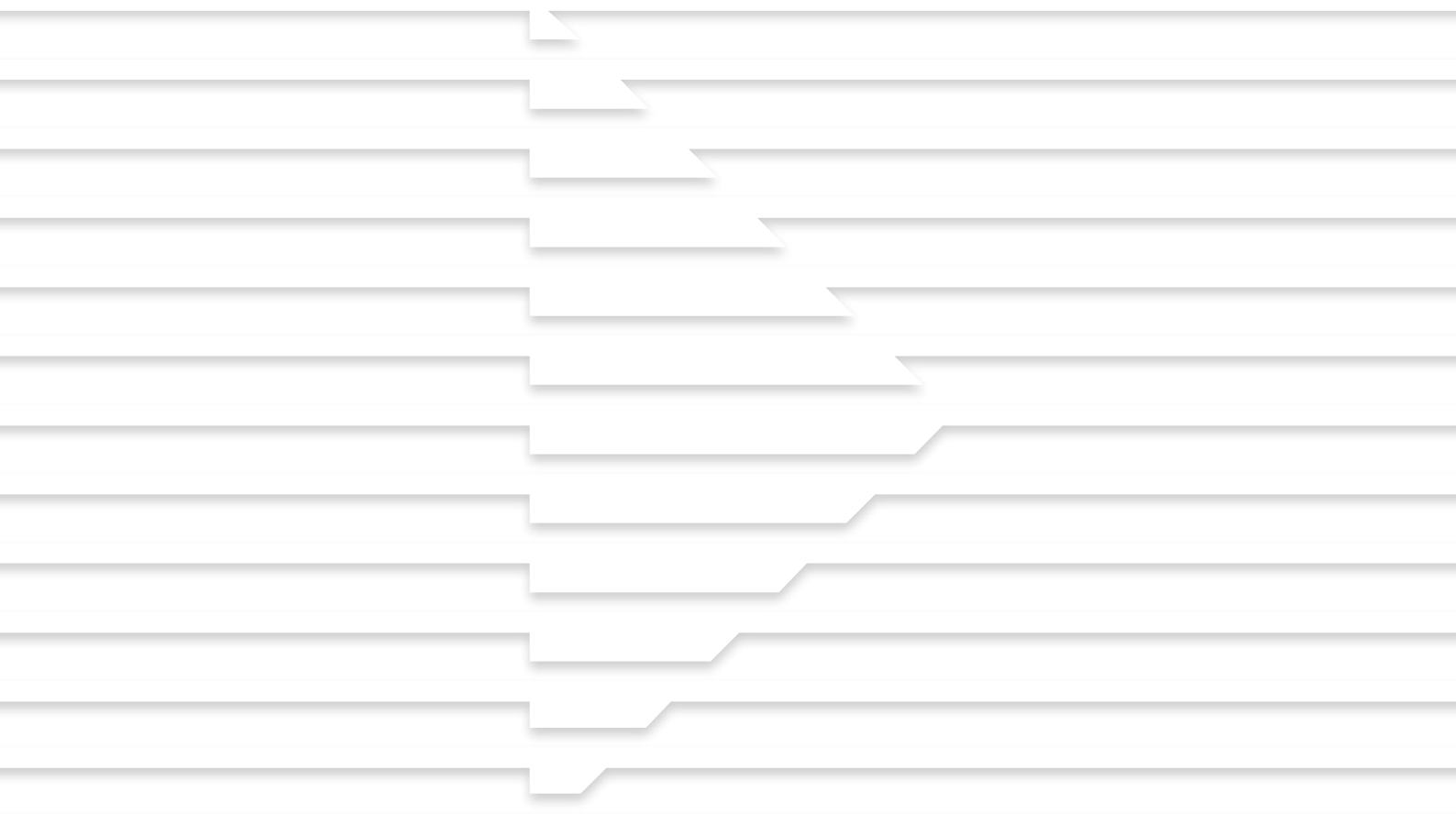
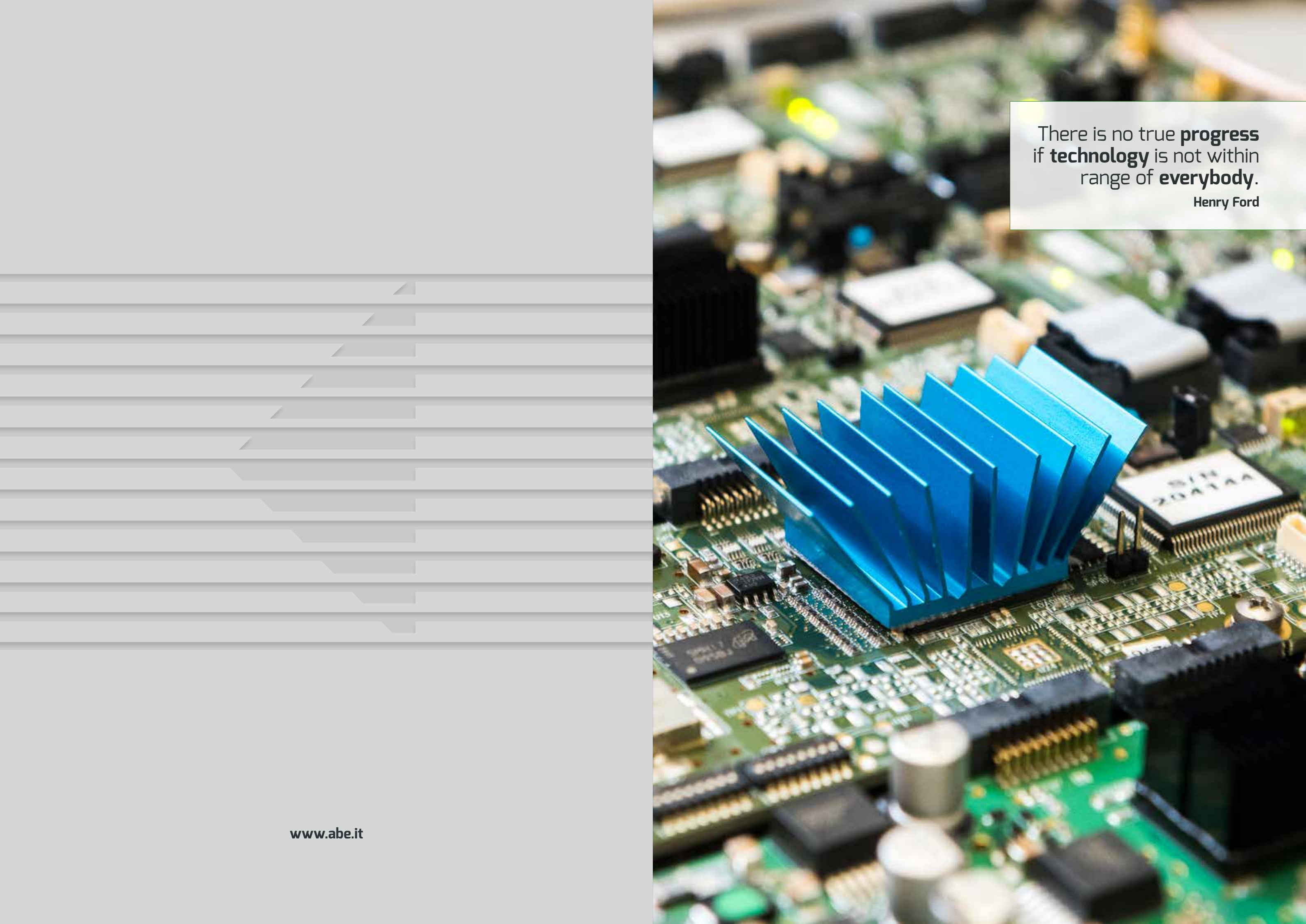


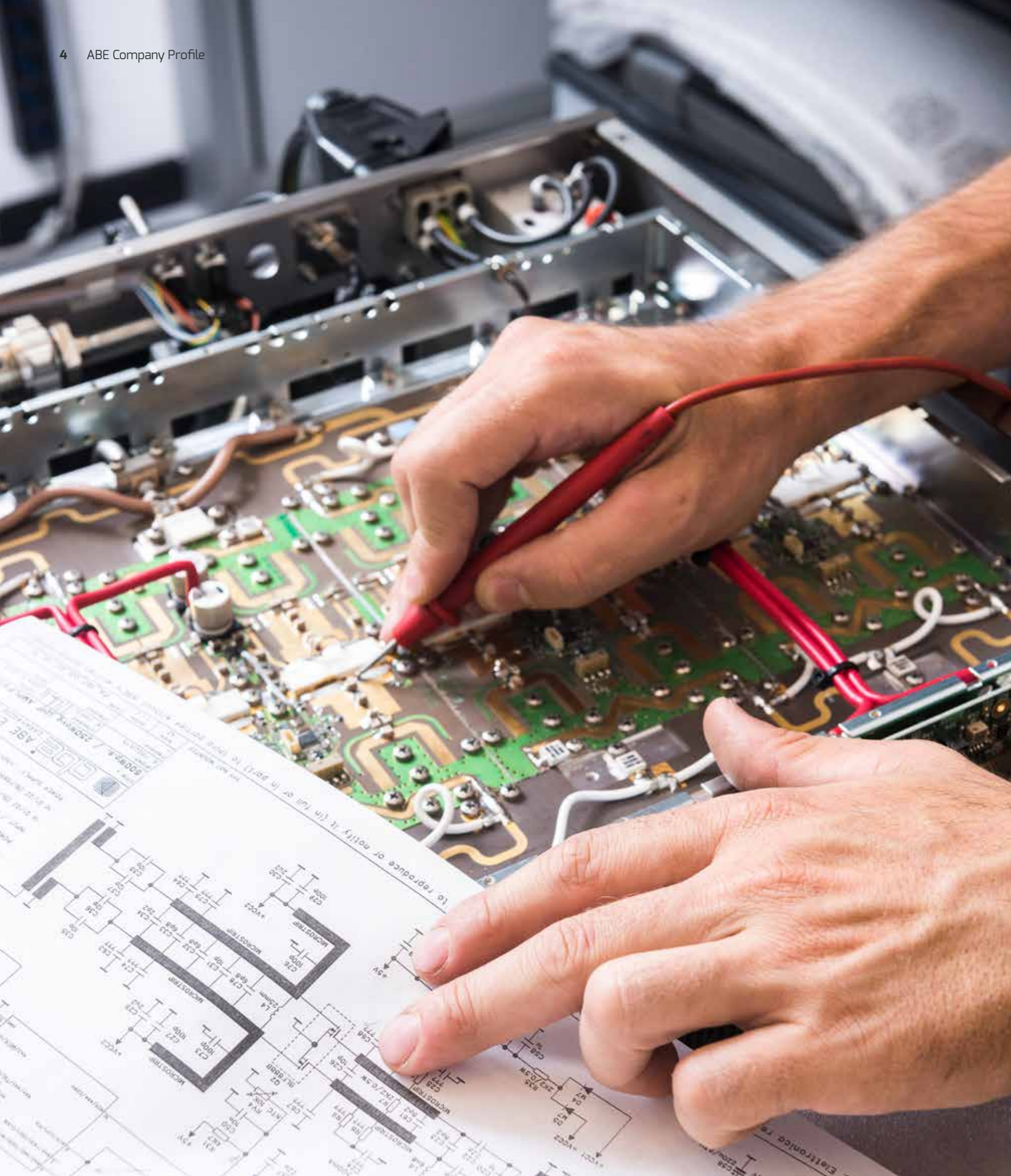
# Company Profile





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



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**.



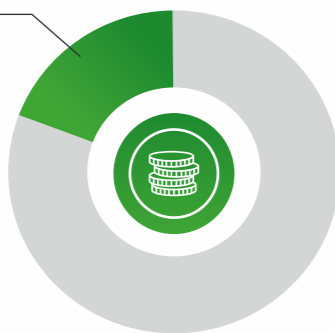
RESEARCH AND DEVELOPMENT

# 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**.

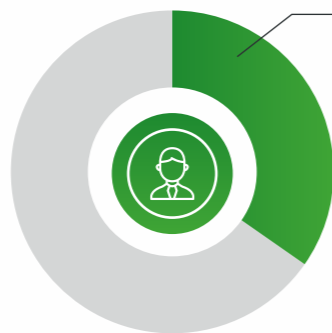
**20%**

Annual revenue invested in R&D



**35%**

Employees in R&D



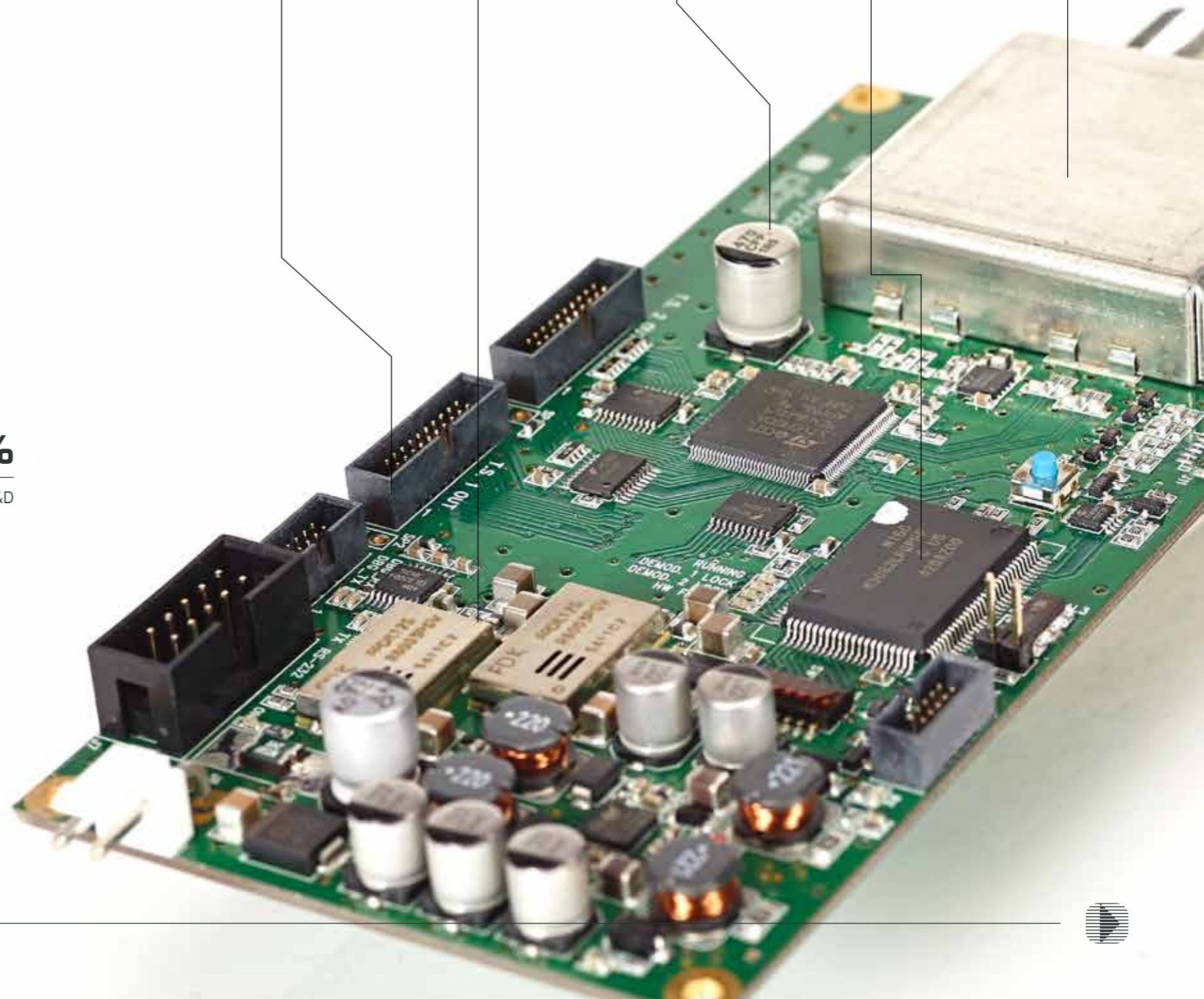
EXPERIENCE

STUDY

EXPERIMENTATION

TECHNOLOGICAL  
PASSION

CREATIVITY





# 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 

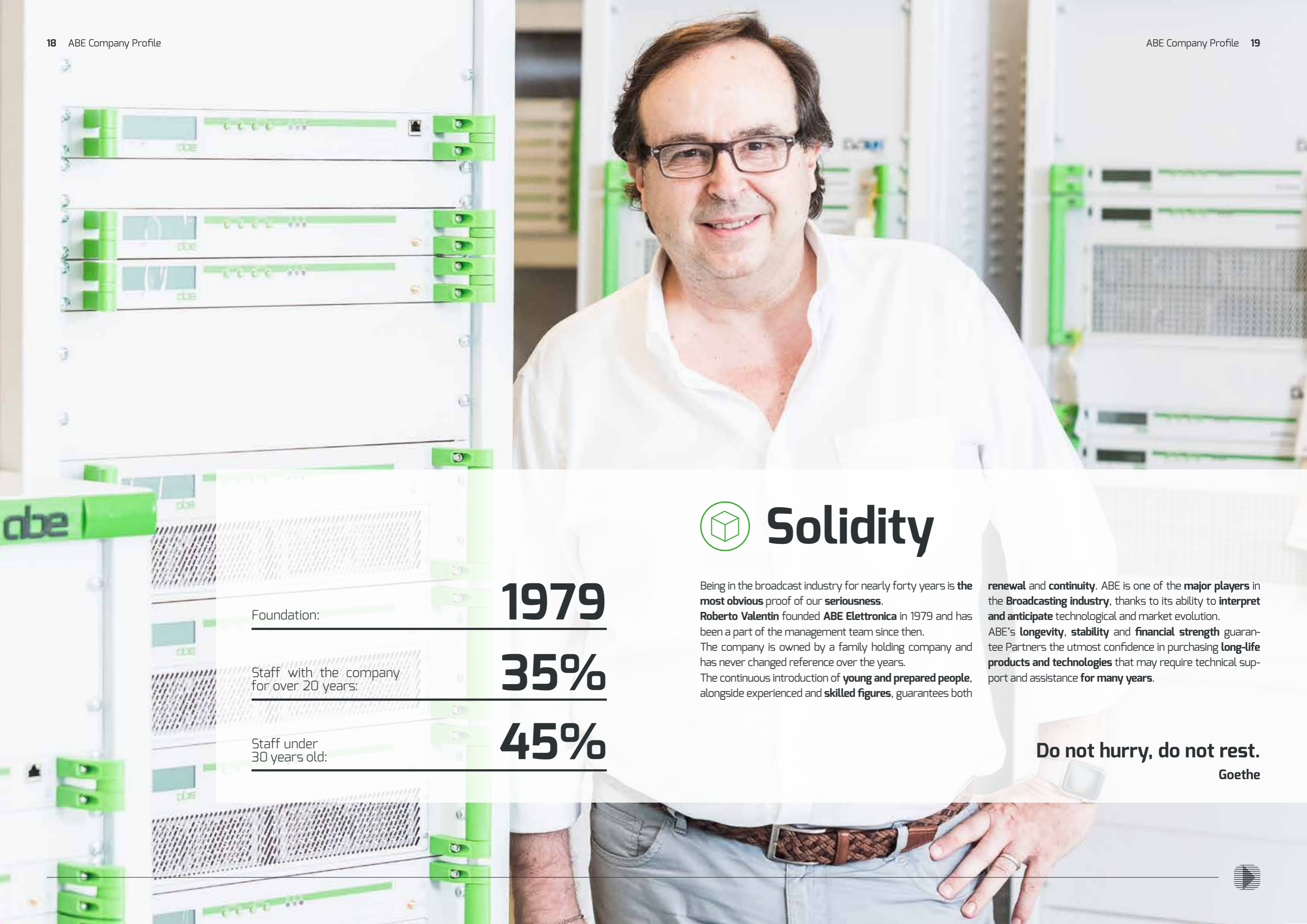
PRODUCTION 

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**.



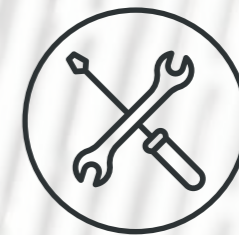
NETWORK  
PLANNING



TECHNICAL  
TRAINING



REMOTE TECHNICAL  
SUPPORT



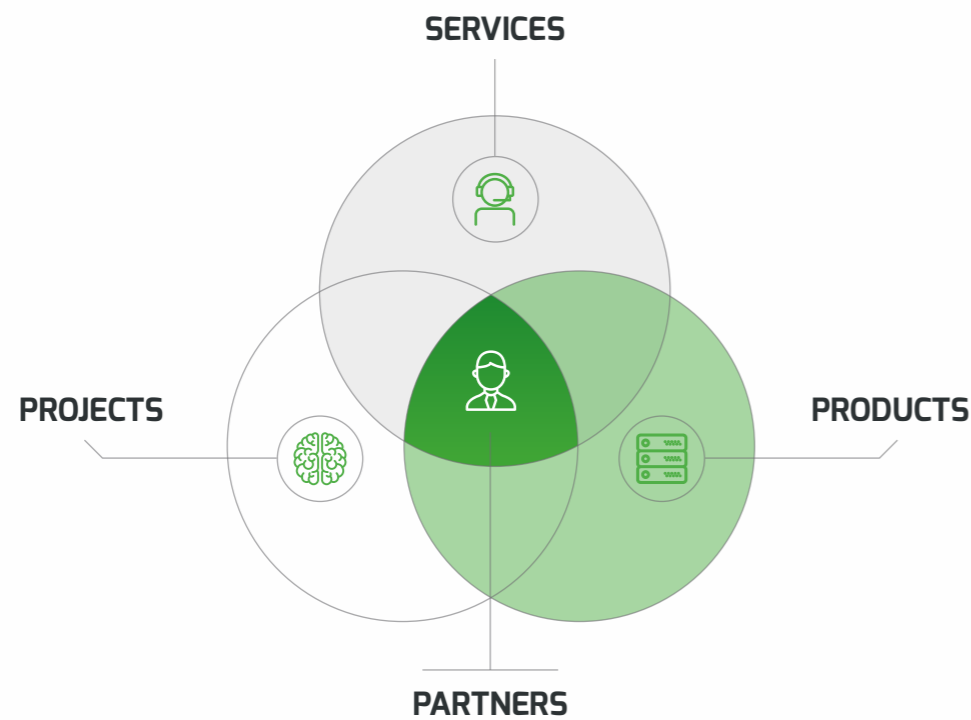
ON-SITE  
SERVICES



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**

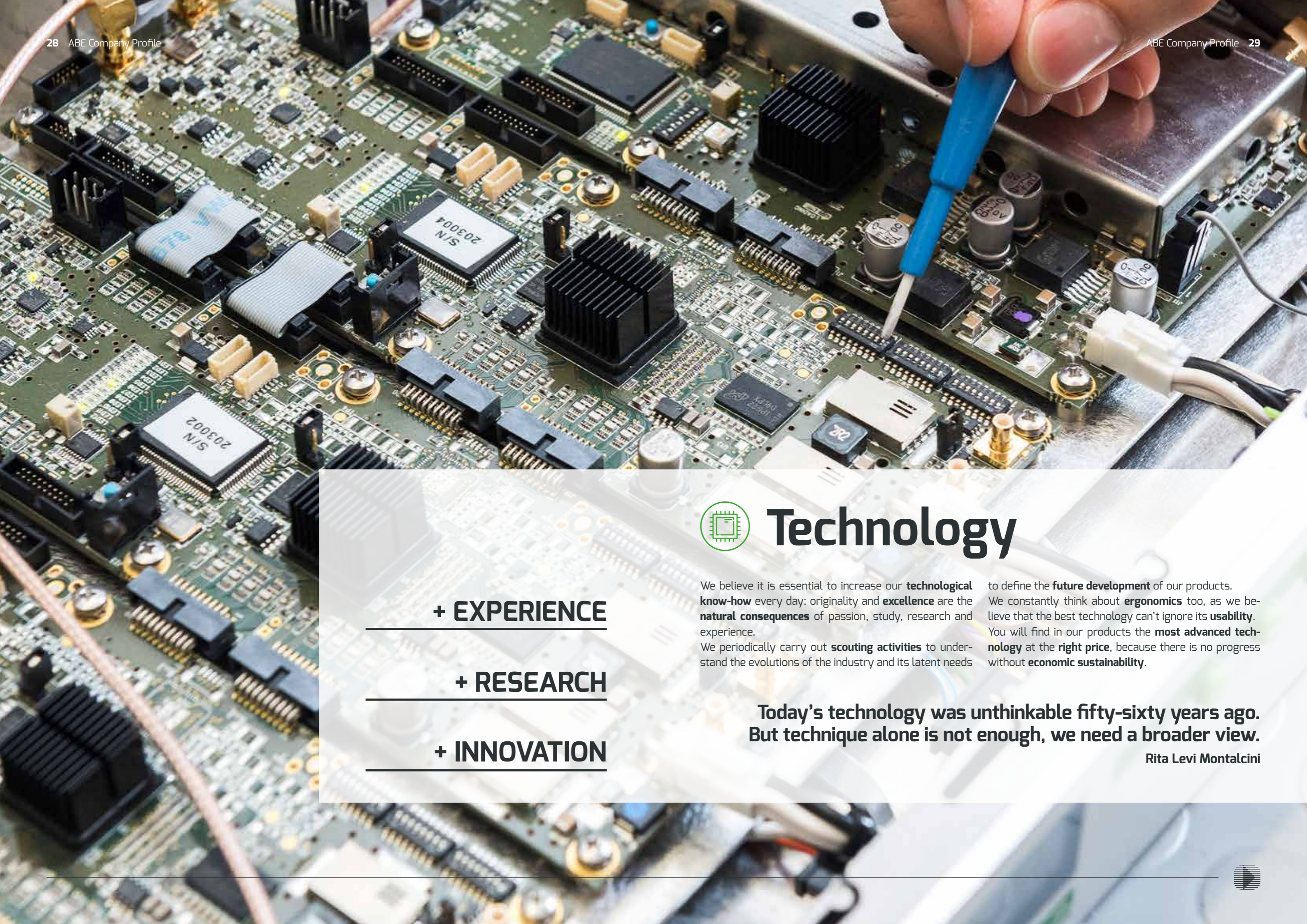


**Power**



**Head**





# Technology

**+ EXPERIENCE**

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**+ RESEARCH**

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**+ INNOVATION**

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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



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CERTIFICAZIONI

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# 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](http://www.abe.it)



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