

FROM DESIGN TO MASS PRODUCTION



One Country,
All Solutions.
PROVIDING THE FUTURE



Copyright © 2017 **One Country, All Solutions** ®
All rights reserved.

No part of this publication may be reproduced, distributed,
or transmitted in any form or by any means, including
photocopying, recording, or other electronic or mechanical
methods, without the prior written permission of the author.

www.onecountryallsolutions.com

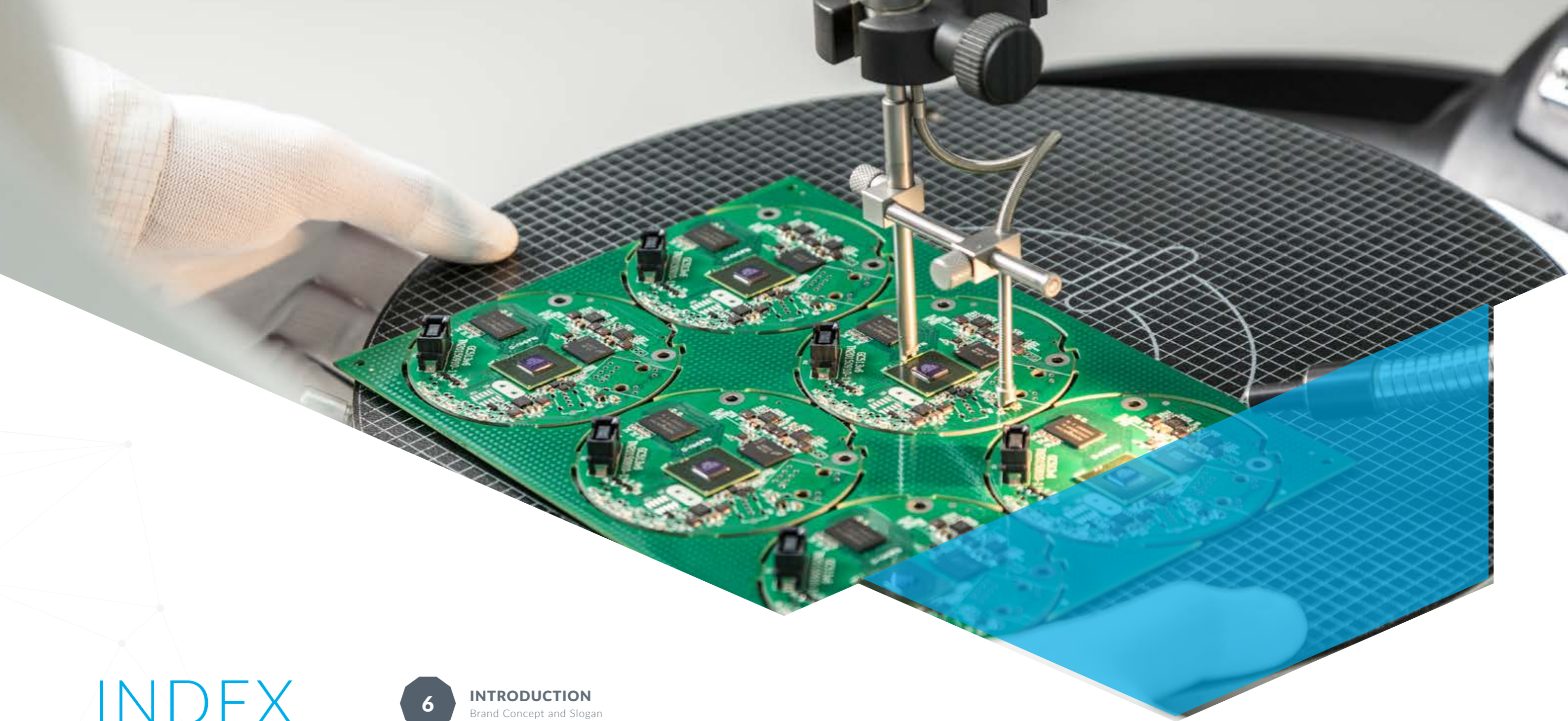
1ª EDITION
DECEMBER 2017

EDITORIAL DESIGN
PMC - Digital®
Design and Editing by Nuno Freire

geral@pmcdigital.pt
<http://pmc.digital>

*“The three great essentials to achieve any thing
are, first the hard work, second the perseverance,
and third the common sense.”*

THOMAS ALVA EDISON



INDEX

6 **INTRODUCTION**
Brand Concept and Slogan

10 **CORPORATE GROUP**
Turnkey Solutions

18 **HFA**
Company
Services
Technology & Equipments
Business Area

52 **UARTRÓNICA**
Company
Services
Technologies

76 **GLOBALTRONIC**
Company
Services
Products
Business Area

96 **PICAdvanced**
Company
Services
Products

106 **CONCLUSION**
What we can provide to you



INTRODUCTION

Brand Concept and Slogan



Brand Concept and Slogan

"Our Symbol is a stylized tree to give focus on a continuous and global growth without forgetting that the important thing are the persons and that we are all connected. It's people that make everything happened."



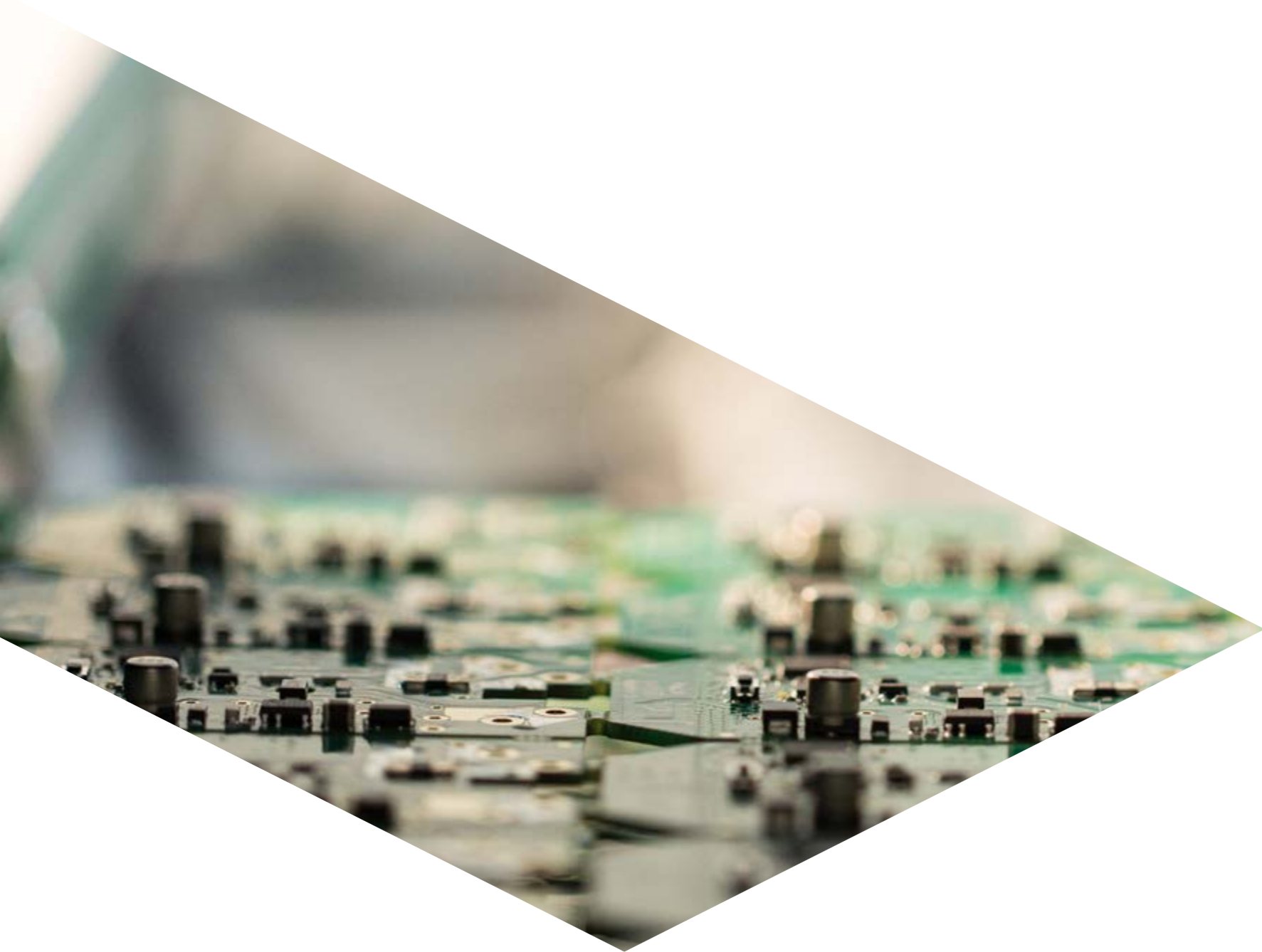
One Country,
All Solutions®
PROVIDING THE FUTURE

One Country, All Solutions® is a new Portuguese Brand aimed at the unification of companies, with the main objective of being able to provide its customers and partners, greater comfort and quality in delivering customized, innovative solutions in electronics sub-contracting. Since the development to manufacturing, we will find innovative solutions according to your requirements.

Providing the Future, the brand **One Country, All Solutions®**, is able to idealize, develop, build prototypes, industrialize, test and manufacture with high quality all the electronics solutions requested by its customers. Our goal is to build a long term business relationship based on trust and satisfaction.

CORPORATE GROUP

Turnkey Solutions



Turnkey Solutions

"Working on the EMS sector for more than 20 years allow us to have a full range expertise and confidence that we are the right partner for becoming your electronic subcontracting partner. Our main clients are found in demanding sectors like telecommunications and automotive."

"From design to mass production, we provide customers with various kinds of services to meet their requirements."

OUTSTANDING FEATURES

We are group of 4 companies, dedicated to electronics and with a strong competence on the electronic market according customer requirements. We provide a full service custom engineering able to hard and software development.

In global we represent 35 million euros on sales (only services) and more than 600 employees.

Our main costumers are from demanding markets like Germany, Switzerland and France, but you can find our electronics spread all over the world. More than 80% of the assembled boards are for export.

1



DESIGN, ENGINEERING

- > Hardware
- > Firmware
- > Software
- > Test Scenario

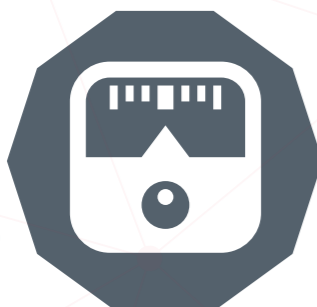
3



PROTOTYPING

- > Small production for product validation
- > Anticipation of potential problems
- > Analysis for industrialization

5



TESTING

- > Burn-in
- > Needle Bed Tests - ICT, Current, Freq. & Tens.
- > Functional (according to Client Specifications)
- > Ethernet / RF Test
- > Boundary Scan
- > Gang-Programming
- > GPS/GSM
- > JTAG
- > Electrical and Optical Transmission

2



TOOL & MOLD DESIGN

- > Plastics injection
- > Machining enclosures

4



INDUSTRIALIZATION

- > Project optimization
- > SMT and THT assembly
- > Cable assembly
- > Test
- > Coating and potting
- > Enclosures

6



PURCHASING

- > Materials cost optimization
- > Proposal of alternative supply sources
- > Purchase only defined part number
- > Purchases only in certified distributors
- > Obsolescence management and analysis

8



TRANSPORT AND LOGISTICS

- > Packaging
- > Shipment
- > Documentation support
- > Insurance
- > Storage

10



QUALITY COMMITMENT

- > Challenge to ZERO defect in production line
- > Special inspections in the mass production lines
- > SPI and AOI in-line
- > X-ray approval
- > Traceability system for parts/components
- > JIT (Just in time delivery)
- > Continuous improvement
- > Regulatory compliance

7



ORDER FULFILLMENT

- > All production according customer requirements
- > Flexibility towards customer request
- > Technical support

9



REPAIR AND REFURBISHMENT

- > Sort & triage
- > Advanced repair techniques
- > Live test
- > Repair reports (date, serial number, type of repair)
- > BGA replace / reflow





HFA

Company
Services
Technology & Equipments
Business Area



Company

HFA - Henrique, Fernando & Alves, S.A. was **founded in 1995**.

"It's a Portuguese EMS with more than 20 years of experience, helping our Customers since design, manufacture, test, distribute, and provide return/repair services. Our goal is to serve other companies with a specialized, flexible and personalized service. HFA invest every year more or less 1 million euros in new technology in order to accomplish Customers requirements and technological growth."

VISION

To become a worldwide reference in the assembly and test of electronic circuits.

MISSION

Our mission consists in accomplishing, in a sustained way and with high quality standards, the electronic and telecommunication projects requested, using high-precision and advanced technology.

VALUES

Quality
Know-how
Flexibility
Innovation
Commitment
Confidence/Confidentiality.

BUSINESS AREA

Telecommunication
Transport Industry
Electronics in general
Repair and Refurbishment

Electronics is everywhere and

We Assemble it.



CORPORATE HISTORY

When we began in 1995 we only had manual assemble service. In 1998 we bought our first SMT machine and right now we have several SMT lines assembling since 0603 to 01005 and offering a global service to our Customers.

WE ARE CONTINUING TO
ASSEMBLE OUR FUTURE...





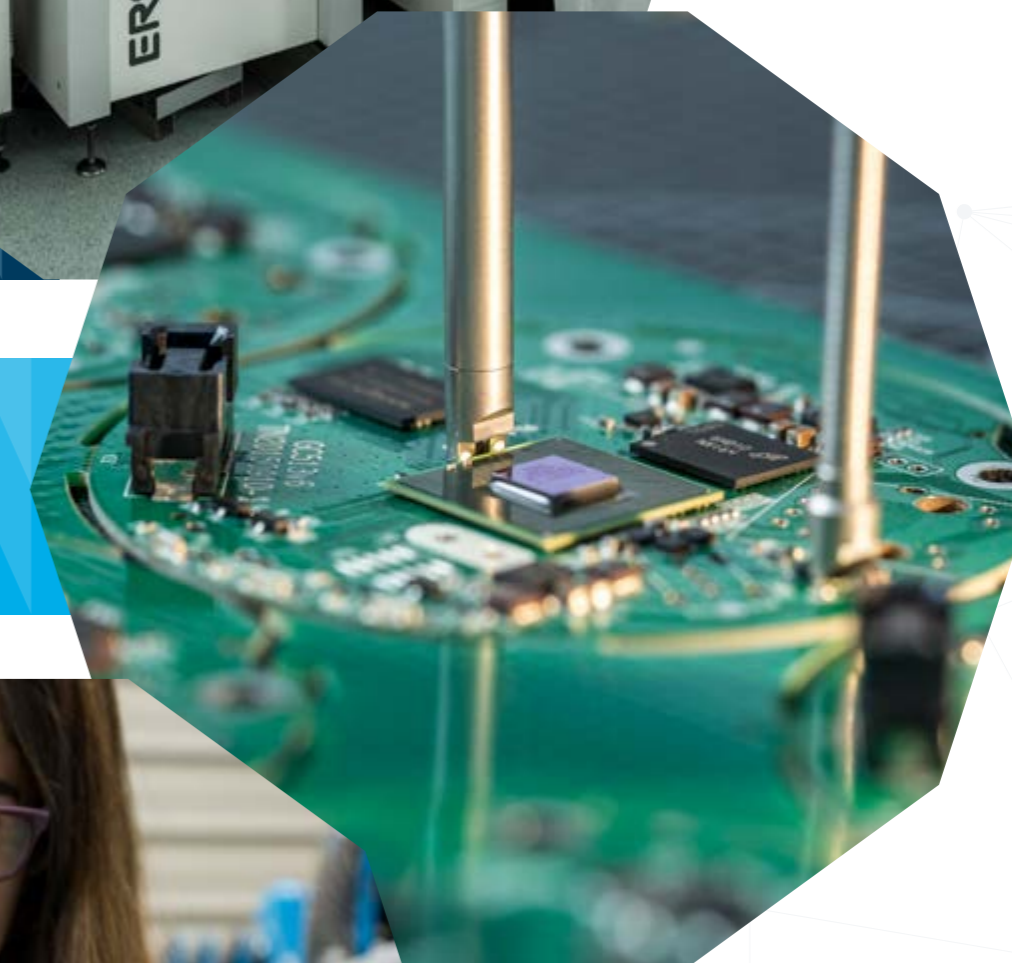
THE RIGHT CHOICE - ADVANTAGES

Every day, we work to be better and accomplish our Customers requirements, this is how:

High Technology / Capacity to Innovate
State of the art equipment & skilled team.

Flexibility/ Adjustment / Cooperation
Adjustment of the product to customer requirements, delivering a fully customized product.

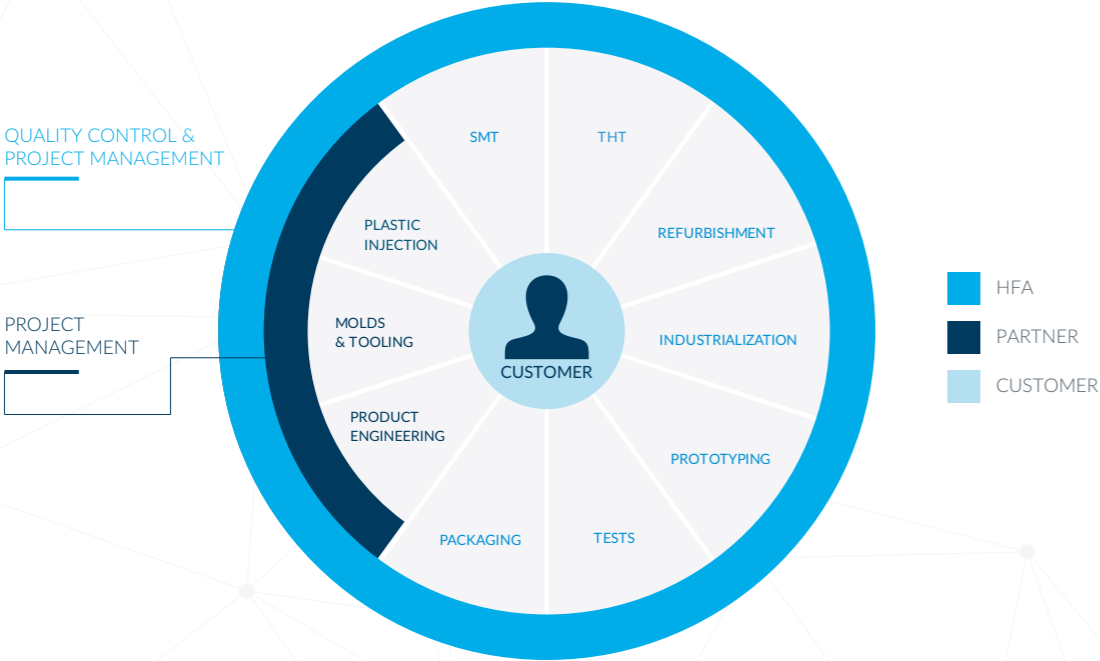
Accomplishment Technical and Commercial Support
Qualified and personal support, both commercially and technically, by close and permanent day to day contact. Optimize the costs and (new)projects, preliminary study of the projects, analysis of alternatives and equivalents, reports and suggestions for improvement.



HOW WE WORK - We regularly work with trustable partners that integrate our process, and give us the confidence to assure total support in the industrialization of each project.

Services

We work to offer turnkey solutions, depending on your requirements. At each stage **HFA** guarantees the accomplish of your requirements by optimal quality management and an information system at each stage of production.



HFA - SERVICES

SMT

- > 7 SMT Lines
- > 7 Automatic Printers
- > 7 Reflow Ovens
- > 4 AOI Systems - 2D & 3D
- > 01005, BGA, LGA, QFN...
- > Assembly
- > Productive Capacity: 500.000 Comp./Hour
- > 4 SPI (3D solder paste inspection machine)
- > X-Ray Machine
- > Laser marking
- > Humidity cabinet

TESTS

- > Burn-in
- > Software Testing
- > 4 Needle Bed Tests - ICT, Current, frequency and tension
- > Functional and non-functional (according to > Customer Specifications)
- > ETHERNET / RF Test
- > Boundary Scan
- > Gang-Programming
- > GPS/GSM
- > JTAG
- > Electrical and optical Transmission
- > Thermal chamber

THT

- > Manual Assembly
- > 4 Selective Soldering Machines
- > 3 Wave Soldering Machines
- > Milling
- > Vcut machine
- > Automatic varnishing

PACKAGING

- > Customized Product Labeling (bar code, QR code,)
- > Electronic Enclosures (plastics and metallic housing)
- > Supply and printing Plastic enclosures
- > Customized stickers and membrane Switches
- > Customized carton box and user manual
- > Logistics

PROTOTYPING

- > Product Development Support
- > Product Optimization, together with the Client
- > 1 SMT Line for prototyping

REPAIR AND REFURBISHMENT

- > Problem Diagnostics
- > Repairs of units
- > Back up of the repairs held
- > Replacement and rework of enclosures

INDUSTRIALIZATION SUPPORT

- > Component Acquisition (procurement)
- > Project optimization
- > Project development support and search for solutions to reduce production costs and improve product quality.
- > 1st production occurrence reports and suggestions for improvement.

QUALITY

- > Component and Product traceability
- > IPC 610 Standard Compliance
- > Quality Management System: ISO TS 16949:2009 and ISO 9001:2008
- > IECEX / ATEX Compliance
- > RoHS Compliance - Directive 2002/95 and 2011/65



HFA - TEST LAB

SOFTWARE TESTING

- > Functional tests (Black-box)
- > Structural tests (White box)
- > Regression tests
- > Integration tests
- > Acceptance tests (UAT)
- > System tests
- > GUI tests
- > **Performance tests:**
 - Load tests
 - Stress tests
 - Capacity tests
- > Maintainability tests
- > Usability tests
- > Security tests
- > **Automated tests:**
 - Development of tests frameworks

PRODUCTION JIG DEVELOPMENT

- > Elaboration of a scenario for the development tests of the entire device
- > Test JIG design and development assistance, which can be either stand-alone or PC-based solutions.

MOLDS & PLASTICS

- > Molds Drawing
- > Product Engineering
- > Tooling
- > Injection Molds
- > Part Printing
- > Part Decoration
- > Injection Plan

PACKAGING

- > Labels
- > Carton boxes, user manual
- > Housings
- > Membrane switches
- > Cables



Technology & Equipments

- > SPI
- > SMT (Surface Mount Technology) | Automatic Printers with | Optical Inspection
- > AOI (Automatic Inspection System)
- > X-ray
- > Selective Soldering
- > Wave Soldering
- > Functional and ICT Tests
- > Automatic Coating (with oven)
- > Milling

CERTIFICATIONS

- > Quality management system (**QMS**) certified in conformity with **ISO9001** and **ISOTS16949**.
- > Certified **IPC Specialist** and Certified Application Specialists in **IPC-7711/7721** and **IPC-A-610**
- > **ATEX** when applicable.



SPI



SMT



X-RAY



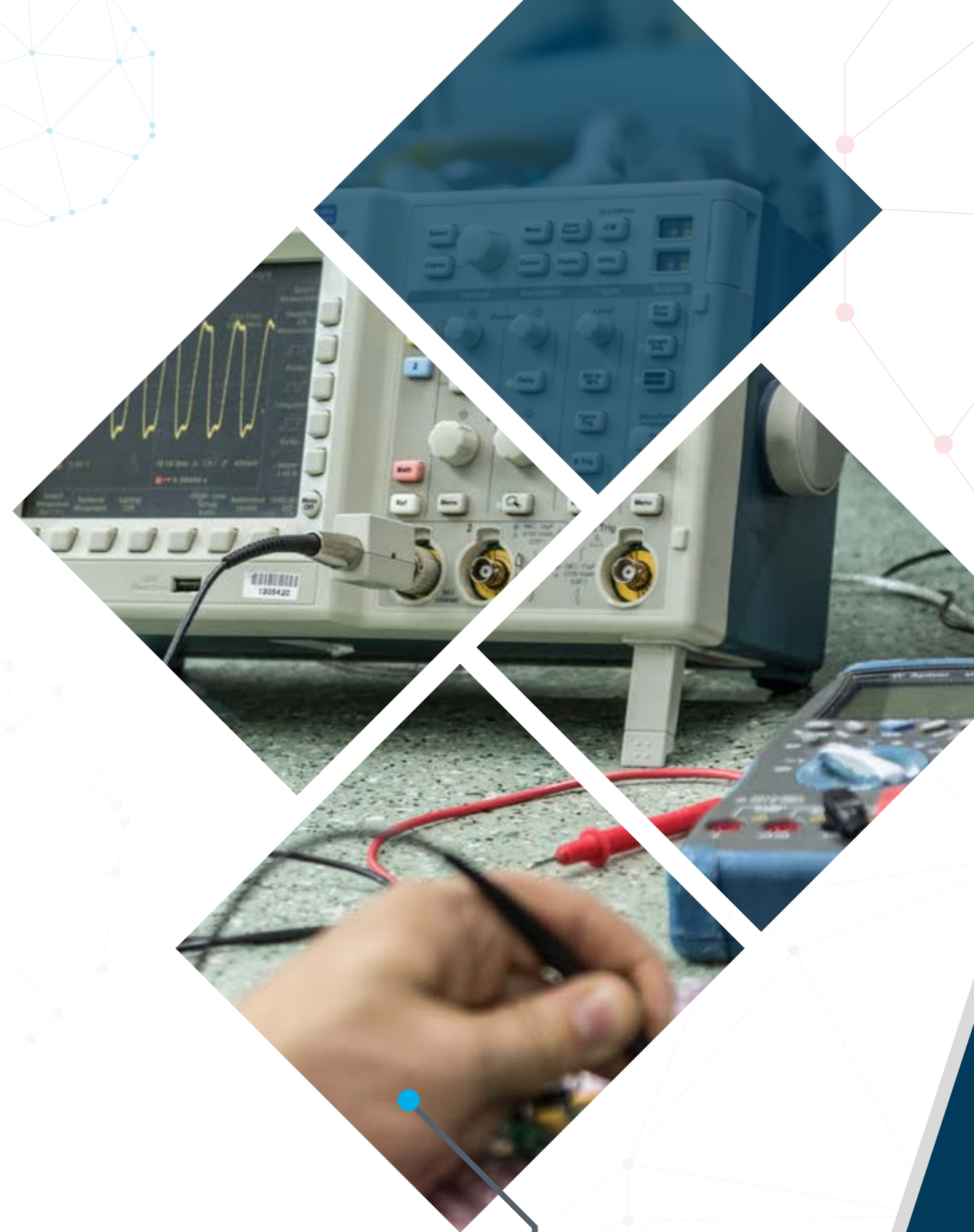
AOI



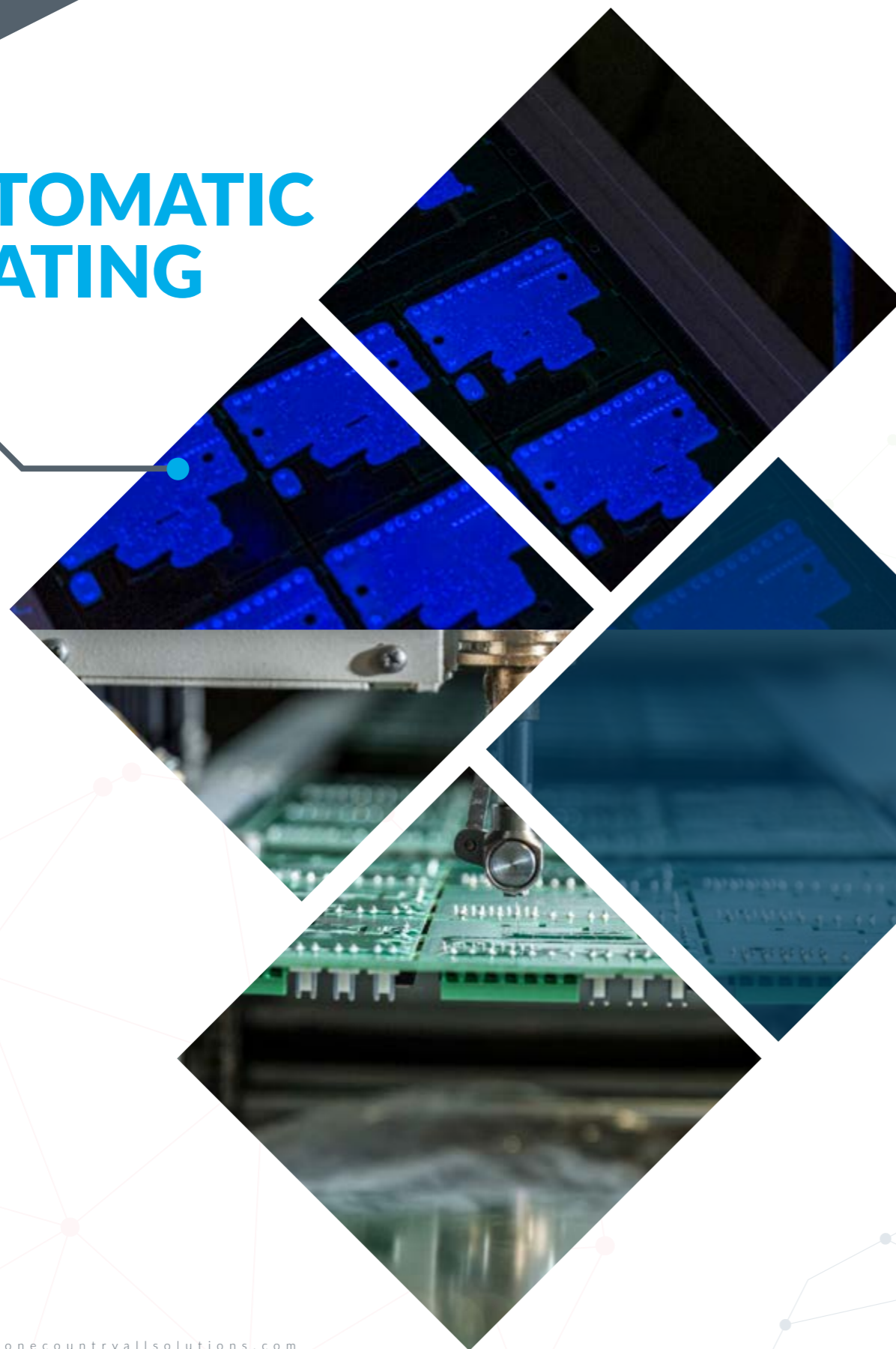
WAVE SOLDERING



FUNCTIONAL AND ICT TESTS



AUTOMATIC COATING



SELECTIVE SOLDERING





Business Area

Transport Industry
General Electronics
Telecommunication Industry
Refurbishment Industry

TRANSPORT INDUSTRY

- > Electronic Traffic Information Systems;
- > Components for Operation Control Systems:
 - Automatic ticket vending;
 - Ticket vending machines;
 - Passenger Counting System;
 - Information is sent to the station;
 - Stoplight Control System (priorities are given to the vehicles);
 - GPS System.
- > Fleet Control System.



GENERAL ELECTRONICS

- > LED Information Panels;
- > Access Control Systems;
- > Conventional and Led Technology Electronic Systems;
- > Domotics, Automation and Control, Telemetry and Telematics;
- > Environmental Control System in the distribution and commercialization of fuel;
- > Production of automatic payment terminals (POS);
- > Audio, Video and Home Cinema Systems;
- > Set-Top Box.



TELECOMMUNICATIONS INDUSTRY

- > Transmission/ Digital Fibre Optic Multiplex and copper pairs (SDH and PDH Technology,...);
- > Analysis, management and quality control systems for telecommunication lines;
- > Digital terrestrial television.



REFURBISHMENT INDUSTRY

- > Appropriate methods and testing techniques for the detection of product or component defects;
- > Advanced repairing techniques;
- > Diagnostic of the problem;
- > Live test;
- > Visual inspection and verification of the connections;
- > BGA's reflow;
- > Back up of all repairs; (date, serial number, type of repair).





UARTRÓNICA

Company
Services
Technologies

Company

We are a Portuguese company dedicated to service delivery in the field of electronic production (EMS). From the beginning in 1996, we have been concentrating an unique know-how aquired through our intense experience in the production of new technologies which characterizes the sector of telecommunications. This inovation is the genesis of today's work.

VISION

Consolidate ourselves as a reference company in the field of production of electronics with high quality standards and supported by the certification of our skills. Contribute to add value and support sustained growth of our customers.

MISSION

Our mission is to provide specialized services in the field of electronics and telecommunications and assembly of components over Print Circuit Boards, ensuring quality for both products and services through our professionalism and experience, and promoting adequate working conditions to our employees as well as full respect for the environment.

VALUES

Accuracy
Dynamics
Quality
Respect
Ethics
Commitment
Integrity
Innovation

We can...
ASSEMBLING THE FUTURE



WE CONTINUE
ASSEMBLING THE
FUTURE...

CORPORATE HISTORY

Our path is marked by a systematic and supported growth, resulting in certification of our QMS in 2013 in compliance with all requirements of the automotive industry, and since then we have been consolidating our position in this market, both in Portugal and abroad.



FACILITIES

Our facilities have more than 5,000 m² of industrial area prepared for our activity in compliance with the highest industry standards.

We believe that this production capacity and facility will overcome the needs and expectations of our customers for new projects. We aim to deliver the best quality service.

CERTIFICATIONS

> Quality management system (**QMS**) certified in conformity with **ISO9001** and **ISOTS16949**.

> Certified **IPC Trainer** and Certified Application Specialists in **IPC-7711/7721** and **IPC-A-610**

> Certified in **ISO14001**, **OHSAS18001** and **ISO27001** (Improvement of facilities and increase of production capacity)



Specialized services for automotive industry and telecommunications
- Industrialization of your Projects Production, assembly and testing of your
Products Logistics and Planning for your Business.

Services

*We are a Portuguese company dedicated to service
delivery in the field of electronic production (EMS).*

- > Industrialization
- > Production
- > Planning and logistics



INDUSTRIALIZATION

INDUSTRIALIZATION OF PRODUCTS AND SOLUTIONS

- Support to development of products and solutions looking towards its industrialization.
- Validation of both HW/SW, insuring production of prototypes and small series as well as development and manufacturing of production tools and testing structures.

PRODUCTION

ALL THE WAY FROM MOUNTING AND TESTING THROUGH THE FINAL ASSEMBLY OF PRODUCTS

- Assembly of PCBA in small, medium and large series. Programming and testing.



PLANNING AND LOGISTICS

MATERIAL PROCUREMENT, PRODUCTION PLANING AND LOGISTIC MANAGEMENT

- Material quotation, acquisition, reception, control and storage.
- Production planning just-in-time.



PROCESSES

Industrialization of electronic systems and the production of prototypes, pre-series and large series.

In the production of prototypes is included technical monitoring and support to development areas, from the embryonic stage of the project until the final phase and consequently move to production / industrialization.

In the area of manufacturing and assembly of printed circuit boards is included purchasing, storage, management and logistics of materials and assembly of electronic components on printed circuit boards (SMT, THT, Tests, cabling, labeling and final assemblies in box).

With a young and flexible team of more than 100 employees, the company distinguishes itself by its fast response and short delivery deadlines with a production capacity exceeding 1 million components per hour with MSL automatic management.

In the provision of specialized services in the field of electronics and telecommunications is included:

- Outsourcing of operational systems of Hardware production systems (SMT / THT / Infrastructure), testing, planning and logistics (including order management, production planning, purchasing and supply of components and their alternatives and his dispatch);
- Testing and validation of hardware and software, validation of components and support after sale (functional tests and integration tests). The company develops and produces all test structures. It offers

equipment for ICT, FCT and LED measuring;

- Re-Work, Uartrónica uses specific techniques and necessary equipment for substitution/repair of units/components;
- Purchase of components and/or alternatives: LEDs, BGAs, FPGAs, EPROMs, FLASHs.

Uartrónica follows the directive 2002/95 / CE on the restriction of use of certain hazardous substances (ROHS) in equipment electrical and electronic.

This directive restricts the use of hazardous materials in the manufacturing of various types of electrical and electronic equipment. In this regard, Uartrónica reinforces its concern with environmental protection.

QUALITY COMMITMENT & HIGH ACCURACY

Technologies

We are specialists and we guarantee the best results.

- > Assembly and Quality Control
- > Other technologies
- > Quality
- > Technology

ASSEMBLY AND QUALITY CONTROL

ACCURATE TECHNOLOGY

SMT

Surface Mount Technology

- Automatic screen print & SPI 3D
- Automatic insertion down to 01005 & AOI 3D

MSL

- Automatic Management

THT

Through-Hole Technology

- Selective soldering
- Wave soldering
- Internal development and production of soldering masks

Verification and Assembly

- Press-fit insertion
- X-ray inspection
- Ersascope Inspection
- Dimensional control



OTHER TECHNOLOGIES

COMPLETE SOLUTIONS

Depaneling

- Milling
- VCUT machine



Conformal Coating

- Dipping
- Selective

ICT and FCT test

- Bed of nails
- Internal production of test structures



QUALITY

COMPLIANCE WITH INTERNATIONAL STANDARDS

Standards

- **ROHS** COMPLIANCE
- **ENVIRONMENTAL** CONFORMITY - *Temperature and Humidity control*
- **ESD** AND **MSD** CONTROL
- **TRAINER & SPECIALISTS** - **IPC-A-610** and **IPC-7711/7721**
- **CUTTING** DIMENSIONAL CONTROL



TECHNOLOGY

All raw materials supplied by UARTRÓNICA or the customers themselves, are stored in automated rotating vertical cabinets, ensuring the right conditions to their isolation before production.

Uartrónica provides services in SMT and THT. The company has four automatic SMT technology production lines equipped with cutting edge technologies, such as SCREEN PRINTERS and last generation Pick & Place machines. The reflow ovens for SMT soldering work with nitrogen and have more than 26 heating zones. We also provide a clean- room with 2000m2 according ISO8.

All Uartrónica's equipment follow ROHS directive, which restricts the use of hazardous substances including lead-free. The SMT has an atmosphere welding analyzer with a regulator for particles levels of oxygen with nitrogen injection required for the technology used in inert atmosphere, namely the space industry and military, well as for the automotive industry to active safety. THT assembly with selective soldering and wave soldering processes.

Uartrónica is equipped with a machine for Selective Coating - Conformal Coating.

All Uartrónica SMT production is inspected using automated optical inspection equipment (AOI). Inspection Quality Control SMT (SPI5D, AOI, RX), automated visual inspection.

ELECTROSTATIC DISCHARGE

Uartrónica's production areas are provided with ESD protection. The whole area is secured with dissipative floor in order to keep the working area without static electricity.

EPA (Electrostatic Protected Area) includes the use of packing material and appropriate tools (ESD-safe) and the use of appropriate lab coats and shoes for operators and technicians, as well as the use of bracelets to prevent high voltages.

The whole production area and testing has CO2, humidity and temperature monitoring and control.



Globaltronic 
spreading technology



**mais
CENTRO**
Programa Operacional Regional do Centro



**COMPETE
2020**





GLOBALTRONIC

Company
Services
Products
Business Area



Company

To respond to challenges, Globaltronic has a united and motivated team with know-how and experience allied to a high level of training. Aiming to guarantee optimal service, the product cycle is controlled by the company from conception to industrialization.

Globaltronic is an electronics company based in Águeda, set up in 2002 and operating in the following areas of business:

ENERGY EFFICIENCY

- > Energy monitoring
- > Intelligent lighting systems (drivers; communication equipment, WEB platforms)

GENERAL ELECTRONICS

- > Automation and Control Systems
- > Signage
- > Interactive Systems
- > Safety

TELECOMMUNICATIONS

- > FTTx
- > Digital Television

KEY COMPETENCIES

- > Embedded System Solutions and Development.
- > Electronics Design (project, CAD).
- > Programming (firmware e software).
- > Prototyping.
- > Production rump-up.
- > Production transfers.
- > Urban Mobility – Parking System.
- > Ambient Sensing System - Environmental Monitoring.
- > Repair Service – Refurbishment.
- > Training for Certification

MISSION

Its mission being to respond to the needs of partners and clients with maximum professionalism and promptness, the values governing Globaltronic are ethical and social responsibility, respect for the environment and natural resources, and continuous quality improvement.

VALUES

Accuracy
Quality
Professionalism
Innovation

Innovation and Development

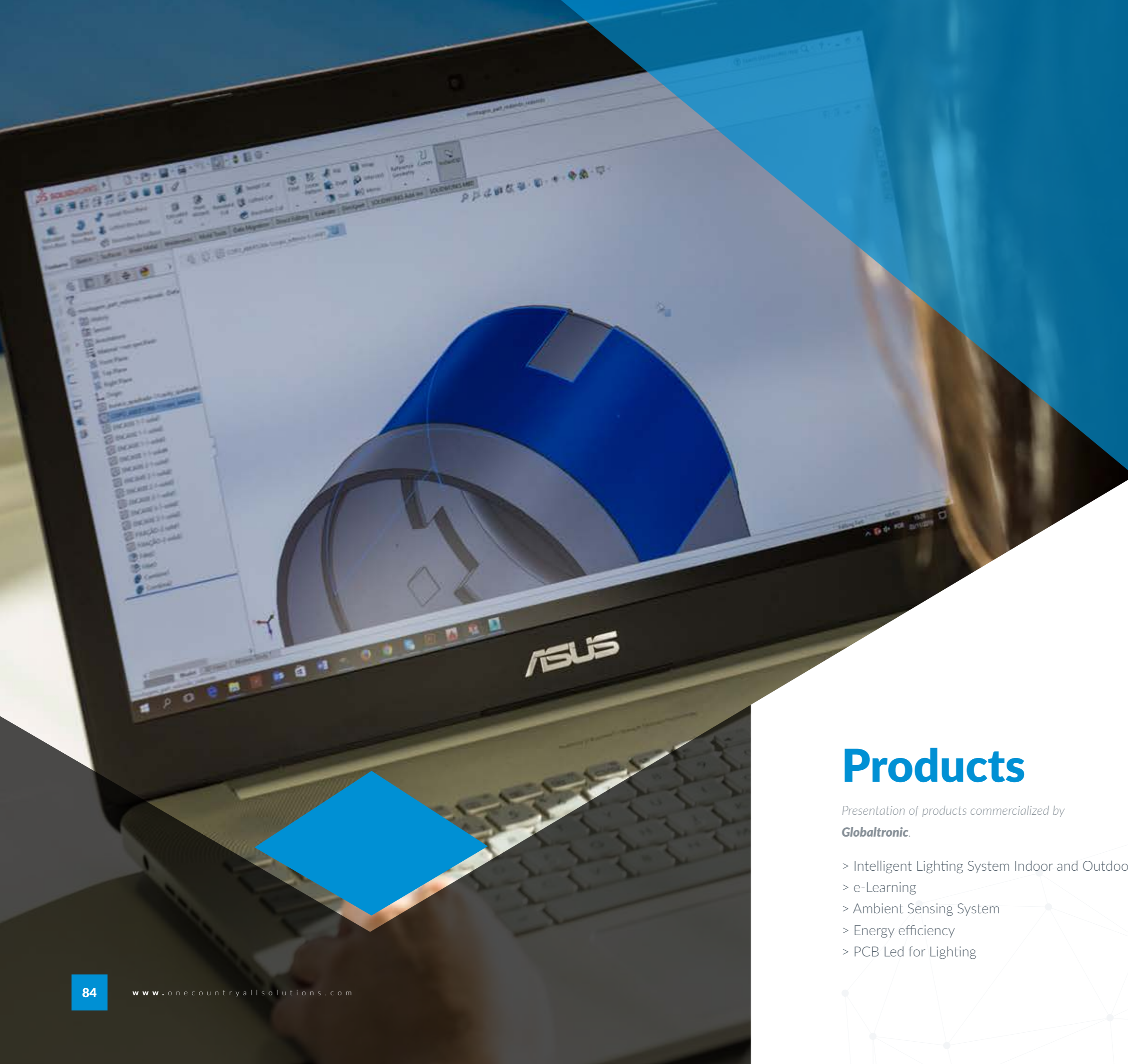
SPREADING TECHNOLOGY

Services

Globaltronic is recognized for its development of tailor-made electronics, finding specific solutions for our clients' needs, with innovation and professionalism. The know-how accumulated over the last ten years allows us to provide a set of services to respond to their needs.

GLOBALTRONIC SERVICES

- > Embedded System Solutions and Development.
- > Automation systems
- > Development of drivers for lighting
- > Design of analog electronic circuits
- > Parking System
- > Development in embedded systems
- > Hardware and Firmware Design
- > Interfaces
- > Electronic prototypes
- > Industrial instrumentation
- > Development of domotic systems
- > Repair of telecommunication equipment
- > Consultancy
- > Training for Certification



Products

Presentation of products commercialized by
Globaltronic.

- > Intelligent Lighting System Indoor and Outdoor
- > e-Learning
- > Ambient Sensing System
- > Energy efficiency
- > PCB Led for Lighting



INTELLIGENT LIGHTING SYSTEM INDOOR AND OUTDOOR

Globaltronic is a company with competences in diverse areas. It has developed a range of products for lighting control and management, aiming for Energy Efficiency and effective management of equipment.

- > AXIS INDOOR SYSTEM
- > SINGELU OUTDOOR SYSTEM
- > GATEWAY
- > DRIVER LED
- > SOLAR DRIVER LED
- > SLR – SYSTEM LIGHTING RELAY
- > PCB LED FOR LIGHTING
- > AXIS UNDERGROUND SYSTEM

E-LEARNING

Technology and durability for your company: Globaltronic interactive boards are an essential tool to communicate and work as a team, used regularly in schools, training and the field of business.

- > INTERACTIVE BOARD
- > MICRO MOUSE

Globaltronic's interactive board allows use of all the functions present on the personal computer. Operating directly on the surface of the board, you can edit documents, handle files, use applications, reproduce audio and video and visit websites, in this way letting the audience share and participate in the work being developed and facilitating communication among those involved.

AMBIENT SENSING SYSTEM

> SENSING STATION

ENERGY EFFICIENCY

- > GEM – GLOBAL ENERGY METER
- > ENERMED – ENERGY METER
- > SOLAR TRACKER SYSTEM

With sustained growth, **Globaltronic** is increasingly established as a relevant, dependable company nationally, aiming above all to be a company of reference that can be relied on to progress and overcome the challenges put to it.

Business Area

Focusing on the development of electronic products and solutions tailor-made to clients, Globaltronic is proud to be a firm of development and commercialization that works with professionalism, rigour and innovation.

GLOBALTRONIC BUSINESS AREA

- > Embedded System Solutions and Development.
- > Energy Efficiency.
- > Interactivity Solutions.
- > Remote measurement and management systems.
- > Telecommunications.
- > Set top boxes (digital terrestrial television, pay per view, cable).
- > Industrial Automation Systems.
- > Home Automation Systems
- > Repair Service – Refurbishment
- > Custom development for the customer



PICadvanced

Cofinanciado por:

CENTRO
2020

PORTUGAL
2020



UNIÃO EUROPEIA
Fundo Europeu
de Desenvolvimento Regional



PICadvanced

Company
Services
Products



Company

"**PICadvanced** is specialized in solving complex problems through optics, namely through optical chip design, development and packaging."

+ Aims at **bridging** between Photonic Integration and Telecommunication applications.

- Starting field **NGPON2**.

+ **Accelerating** advanced solutions in optics and photonics to market.

- Starting by advanced **BOSA's** and **PIC's**.

+ **Operational** from November 2014.

- Based on 2 years of **developments in the field** by research.

MAIN BUSINESS IS **FOCUSED IN OPTICS** Operates through

+ Development of **NGPON2** Components.

+ **Innovation**

- Specially Photonic Integration Design and Packaging.

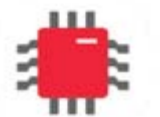
+ Branding and costumization.



Design



Development



Packaging

KEY COMPETENCIES

We develop and consult processes and solutions on optics using integrated photonics, since conception, packaging and integration on electrotechnology, telecommunications and biomedicine products.

VALUES

Accuracy
Quality
Innovation

Development & Innovative Design

THINK OUTSIDE THE BOX!

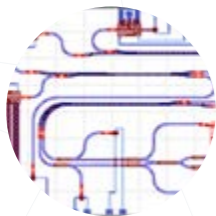


Services

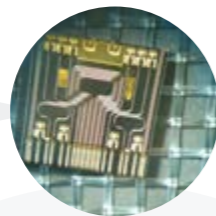
Optical chip design
Packaging/immersion
Specialized testing, optics consulting
IPR Generation and Management
Feasibility Studies

WITH VISIBLE OR
INVISIBLE LIGHT, WE ARE
ALWAYS THERE, TRUST US
YOUR DREAMS

PHOTONIC INTEGRATED CIRCUITS



PRODUCTION



PACKAGING



FULL PROCESS CONTROL

OPTICAL CHIP DESIGN

+2y experience on research and development of InP based PIC through MPW of JePPiX. Continuous research of new architectures for telecom and biomedicine applications.

PACKAGING/IMMERSION

Defying the trends, we are challenging the common approach to optics integration which may lower greatly the packaging effort with our immersion technology.

SPECIALIZED TESTING, OPTICS CONSULTING

With our long experience in telecom business, we are defining specialized test benches for our PICs.

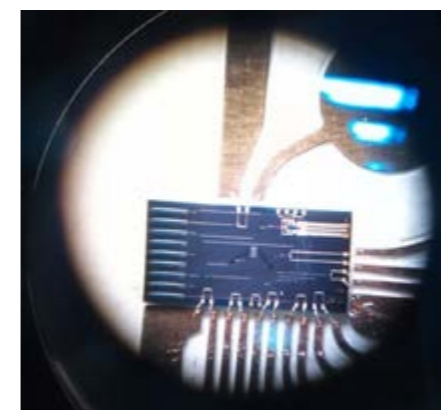
PIAdvanced - **SERVICES**

IPR GENERATION AND MANAGEMENT

PIAdvanced is keen on innovation and IPR generation and management. We deal mostly with architectural and solution innovation.

FEASIBILITY STUDIES

Bring us your problem and we will find a way forward that will surely surprise you in positive way. From integrated optics to optical stem cell manipulation, we have the key!



Products

Telecommunications
Biomedicine

TELECOMMUNICATIONS

NG-PON2

- > OLT
- > ONU
- CLASSE 3
- CLASSE 2



GPON

- > SFP
- > BOSA
- > TRIPLEXER

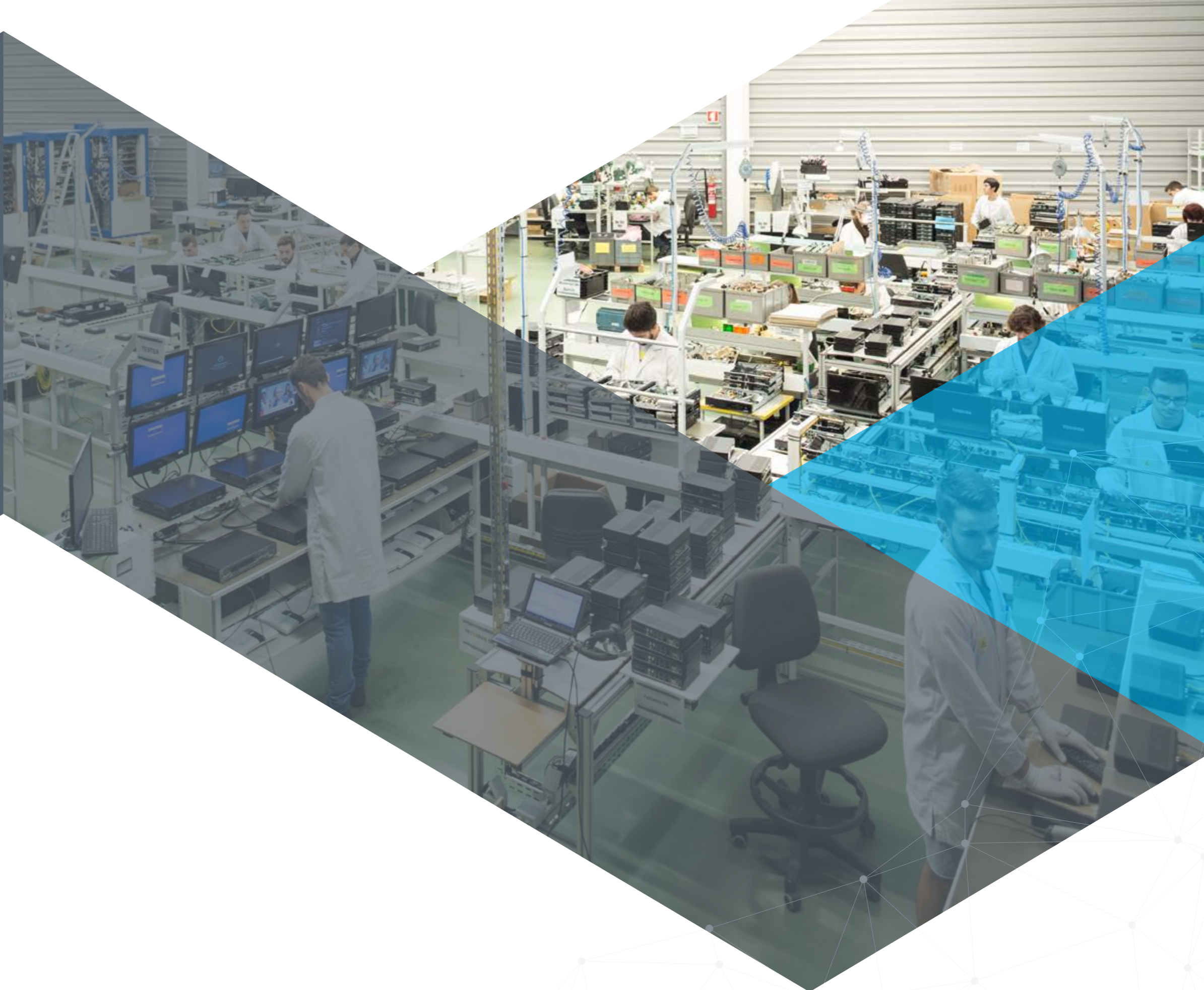


BIOMEDICINE

HIGH-THROUGHPUT INCUBATOR BASED ON LASER RADIATION



- 3D-AXIS MOVEMENT**
< 1mm precision
- CONTROLLED ENVIRONMENT**
Standard: Temperature and CO2 levels; others upon request
- STABLE HIGH-EFFICIENT LASERS**
- AUTOMATED AND MANUAL MODES**
- REMOTE CONTROL**
and configuration
- STAINLESS STEEL**



CONCLUSION

What we can provide to you

WHAT WE CAN PROVIDE TO YOU

There are a lot of reasons to visit and make business in Portugal, besides the sun and good food; Portugal is a top country on the supply of technological products and software development services, we have a large work force, capable, flexible, with know-how and business oriented. World technological leaders are already implanted with success in Portugal. The group One Country all Solutions invite you to visit us and check by yourself all the advantages of working with us.



OUTSTANDING FEATURES

- > European manufacturing
- > Competitive price
- > State of the art technology
- > Committed and competent employees
- > Global solution
- > Knowledge of the automotive market
- > Confidentiality
- > Good communication
- > Adaptation/ flexibility
- > Cooperation
- > Capacity to Innovate
- > Technical & Commercial Support (*Optimization of the costs and (new)projects, preliminary study of the projects, analysis of alternatives and equivalents, reports and suggestions for improvement.*).



www.onecountryallsolutions.com

GRUPO CORPORATIVO

