gbt
solutions

OUR COMPANY

We are a company dedicated to the development of SW Solutions.

The company was born as a startup with a core team of professionals incorporating many years of experience and a large number of projects and products

We've embedded team members who have worked for more than 15 years with Set-Top-Box systems, Home Automation devices, and other multimedia, networking, and consumer electronics devices.

A wide range experience of Embedded SW packages, software engineering,

system Engineering

The team is has also deep knowledge of different technology through the different market areas

The team expertise also includes complex troubleshooting, debugging and bug fixing as well as code review, audit and refactoring.

OUR COMPANY

We are a company dedicated to the development of SW Solutions.

Our objective as a group is to make our customer's life simpler, by delivering a Turn Key Solution under the customers' requirements.

Our goal is to approach the market in a horizontal way, by addressing and developing SW Solutions.

The team is truly passionate about technology, loves innovation and good challenge.

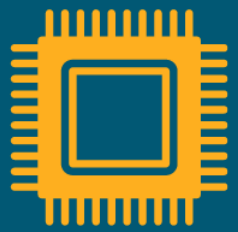
It strives to deliver quality, achieving the customers' requirements and time frame constraints

Basically, it means we would like to be wherever a CPU can be found!

GROUP HFA

One Country, All Solutions

BUSINESS AREAS



Embedded Solutions

Oustsourcing/IT consulting services

Turn Key solutions (HW; FW; SW)

Hosting

Hunting

20 years

Experience in the Embedded SW Development.

Software stack for Set Top Box created in more than 250 man years.

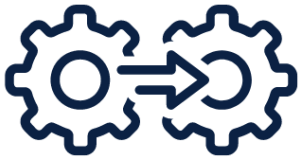
WHAT WE HAVE LEARNED

End to End expertise ranging from:

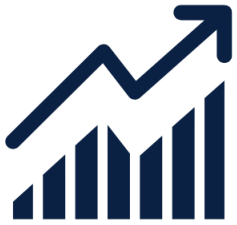
TV
Consulting

Applications
(Frontend and Backend)

Over-The-Top solutions



CAS / DRM
integration



Drivers
Development

Set-top Boxes R&D, supply
and
software development(RDK)

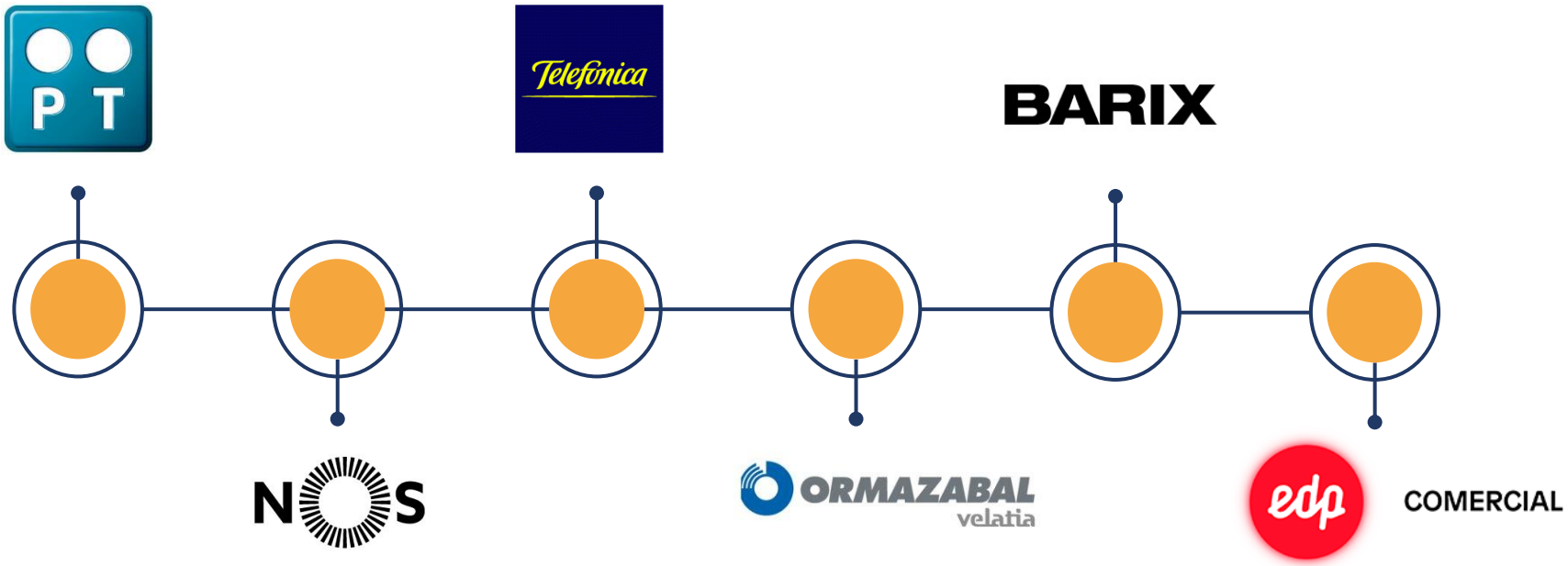
Middleware installation, integration, support, maintenance and software development

WHAT WE HAVE LEARNED

End to End expertise ranging from:

- DTC-Distribution Transformer Controller for Smart Metering with PLC communication controller (DLMS) Audio Streaming Embedded SW for Industrial purpose
- Modular Platform design, specification and implementation of Greybus Protocol
- Low latency for remote video games playing in STBs in Linux
- Automatic ticket issuing, payment and validating systems
- Access Control Embedded Systems for the Transportation Industry (subway, train, ferry, bus, etc).
- Mobile device Power Supply subsystem and drivers for charger, fuel-gauge and USB Type-C IC's.
- Kernel Maintainer of several Greybus Protocols in mainline Linux Kernel
- Automotive Embedded SW development
- Electronic Purse Systems.
- Porting of new SW Stack for STB (RDK)
- Driver development for CPU Design Houses

MAIN REFERENCES



CPU ARCHITECTURES AND SOCS

ARM, MIPS, SuperH, x86

- TEXAS
- ST
- SIGMA
- ALI
- MSTAR
- QUALCOOM
- NXP
- ENTROPI

WHAT WE HAVE DONE

Projects

- DTC-Distribution Transformer Controller for Smart Metering with PLC communication controller (DLMS) Audio Streaming Embedded SW for Industrial purpose
- Driver development for CPU Design Houses
- Porting of new SW Stack for STB (RDK)
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KNOW HOW & EMBEDDED SYSTEMS EXPERTISE

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WHERE WE ARE EXPERTS

Know How & Embedded Systems expertise

- Secure and Non-Secure Bootloader development and integration.
- Firmware development.
- Systems Bring-up.
- Platform Development.
- Architecture and Design for Embedded Systems.
- SDKs validation, testing, integration, optimization, customization, bug fixing and feature extending.
- Build systems and wrappers creation and optimization (make, cmake, buildroot, yocto, shell scripting).
- Device driver development.
- Embedded C, C++, Assembly, perl, python, bash, YOCTO W

WHERE WE ARE EXPERTS

Know How & Embedded Systems expertise

- Embedded Debugging (JTAG probes and SW, gdb/gdbserver, TRACE32, profilers, valgrind).
- Kernels and RTOS integration and development (Embedded Linux, eCOS, uCOS, Nucleus, FreeRTOS, OS20/OS21, pSOS, Windows CE, VxWorks).
- Embedded Linux Hardening for Security.
- Continuous Integration for Embedded Devices. > SW for Production Support and Automation.
- Networking SW.
- Linux Kernel Expertise (device drivers and several subsystems)
- Development from scratch

OUTSOURCING/IT
CONSULTING
SERVICES
SOFWARE ENGINEERING
SYSTEM ENGINEERING

WHERE WE ARE EXPERTS

Know How & Software Engineering expertise
Design, Build, Accelerate

Development consulting

- Build a new solution
- Application maintenance
- Application modernization

Architecture design

- implement an efficient, flexible, and high-quality technology solution for a business problem

Development

- Mobile
- Cloud-based
- Web-based

Testing

- Test automation
- Manual/Functional tests

Deployment

- On-premises
- Cloud

Program and Project Management

WHERE WE ARE EXPERTS

Know How & System Engineering expertise Simplify IT

Managed IT Services

- Services monitoring;
- Network monitoring;
- Application support;

Architecture design (logical and physical architectures)

- On-premises server
- Cloud Server
- Network
- Devops
- Cloudops

Deployment

- On-premises
- Cloud

Program and Project Management

TURN KEY
SOLUTIONS
HARDWARE
FIRMWARE
SOFTWARE

WHERE WE ARE EXPERTS

Know How & Turn-Key expertise end-to-end solutions Breaking Down the Approach

We work with turnkey solutions designed for your business, for your needs and are easily implemented in your company.

WHAT DO WE OFFER?

People, processes, and technologies are needed to deliver customization and integrations by the business that can be implemented with flexibility and scalability:

- Network design;
- Network administration
- End-user support;
- Environment monitoring;
- Security;
- Cloud, and advisory services.

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HOSTING
LEGAL ENTITY IN PORTUGAL

WHERE WE ARE EXPERTS

Know How & Hosting Legal Entity in Portugal

WHAT DO WE OFFER?

- Do not want to open one Legal Entity in Portugal, but would like to have specialized and exclusive resources allocated to you projects and company? Having the team answering below your name and/or brand. Having the team with your company philosophy.
- Than we can Host for you this team. We can help you on the searching the correct resources, or you can use your own hunting team. You will have all of this without the burden of legal issues, taxes, HR.
- If you decide in time to open the Legal Entity in Portugal, we will move the complete team to under your organization.

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HUNTING

SEEKING THE BEST PROFILE IN RELATION TO YOUR NEEDS

WHERE WE ARE EXPERTS

Know How & Hunting - Making Better Connections Between companies and candidates

Hunting IT is only focused on the selection process and connecting with the best companies in Portugal and other countries around the world.

WHAT WE DO?

Interview, curriculum evaluation, hard and soft skills. Simulation Meetings to prepare you for your next challenge.

We are what you were looking for, your direct connection with your future, with your biggest challenge.What do we offer?

- Interview;
- Curriculum evaluation;
- Hard and soft skills test;
- Simulation meetings to prepare the candidate for your next challenge.

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