

load

WE ARE SPECIALISTS IN...

Studying and developing of new
Digital Products.

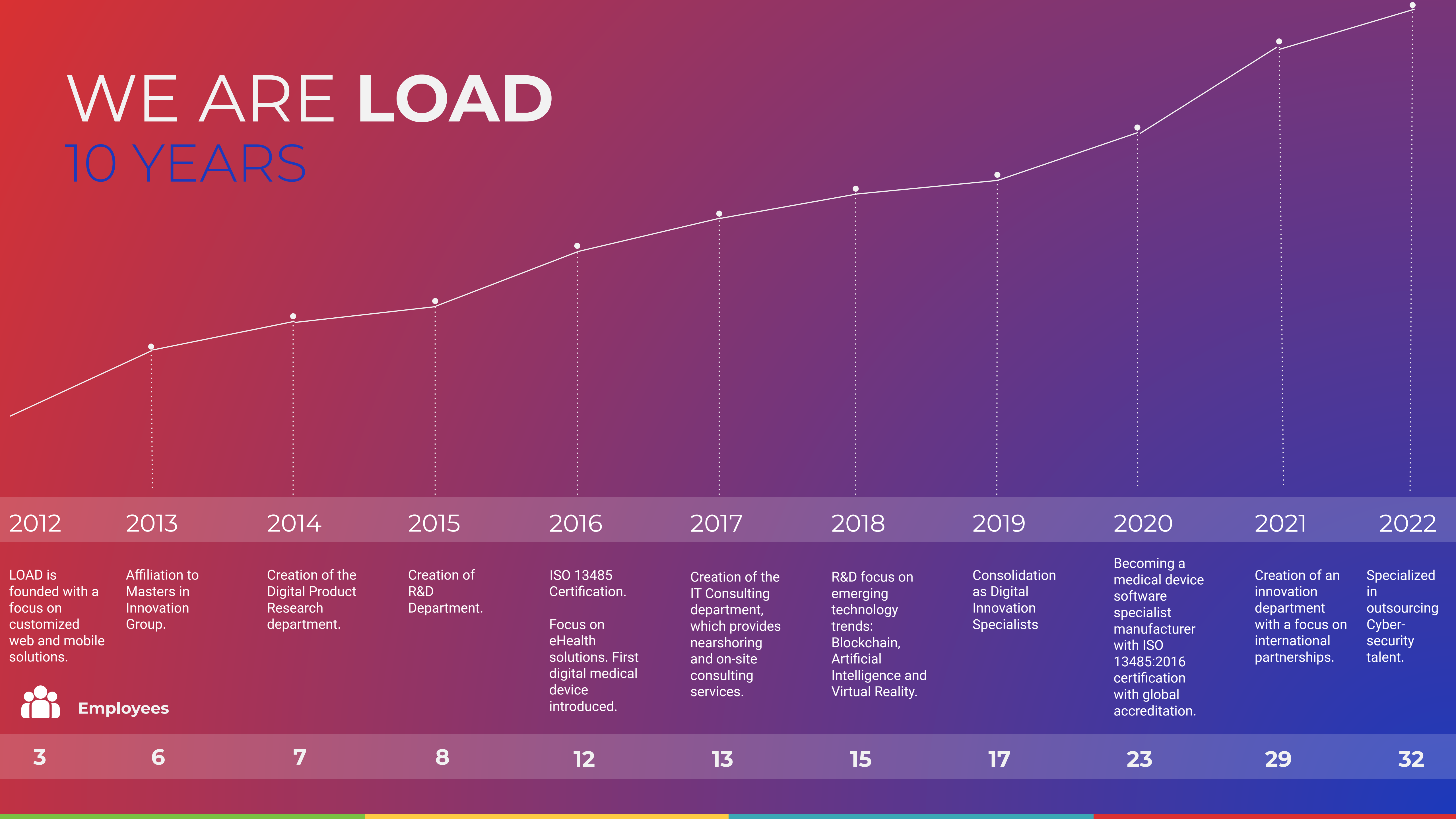
WE PROMOTE TECHNOLOGICAL DEMOCRACY

All projects have **specific needs**. We
use the **right technology** to tackle
them, not the other way around.

www.load.digital

WE ARE LOAD

10 YEARS



Employees

OUR CUSTOMERS

PORTUGAL



BENELUX



OTHER GEOGRAPHICAL AREAS



Digital Products & Case Studies



Maintenance management software aimed at reducing costs and extending equipment lifecycle.

UX/UI Design

The client challenged LOAD to develop the mobile version (smartphone & tablet) of their product, a standard and outdated desktop application. To this end, we proposed to start the project with a UX /UI assessment of its software to understand all the features and what users value most.

After a few brainstorming and design sprint sessions, we started from scratch to develop the initial flow and wireframing for an A/B testing of the look and feel. To date, we have created both a smartphone and tablet MVP version. We are currently in the usability testing phase.

In addition to the design efforts, we have also identified new opportunities within the software development that the client would like to improve, from a web app to new features such as SSO.



CEFALY

Releasing the pain of migraine on the palm of your hands

UX/UI Design

Development

A European medical company that manufactures a device that is placed on the patient's forehead and performs neurostimulation of the trigeminal nerve. This nerve is involved in most headaches and migraines, and its upper branch ends at the exit of the eye socket under the skin of the forehead.

LOAD is developing a mobile app to interact with this device that manages two different migraine control programs and also collects device usage statistics;

This app will also interact with a back office to manage access to the app and manage the data collected from the device.



Data Representation



Internet of Things



Artificial Intelligence



Blockchain



Web Apps & Solutions



Mobile Apps



3D & Mixed Reality AR/VR

MAAPP

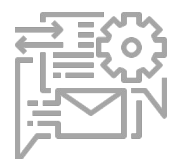
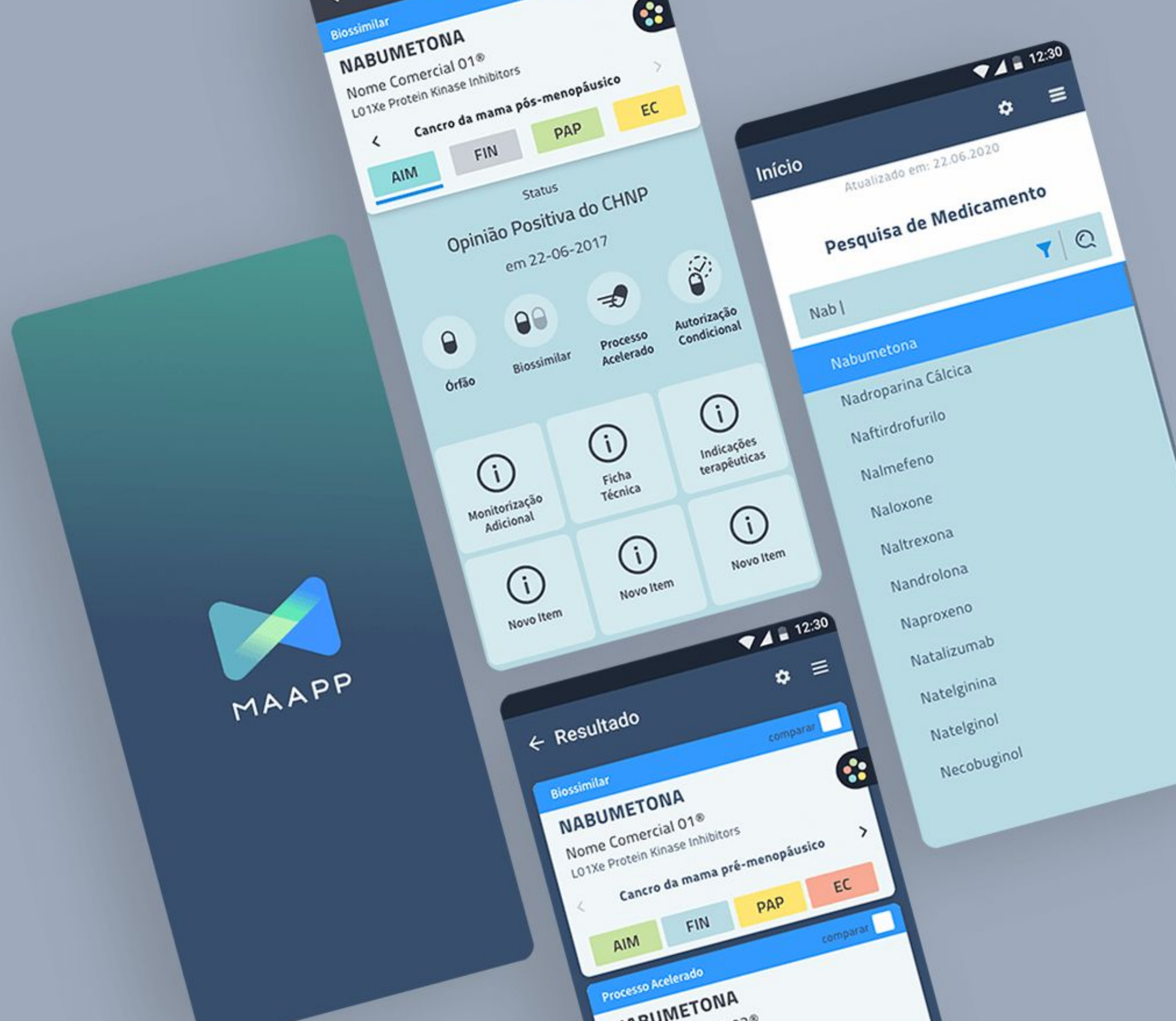
All relevant information on innovative medicines.

UX/UI Design

Development

MAAPP - Market Access APP - is a mobile or web application that collects up-to-date information on regulatory aspects, public funding, access and clinical trials of innovative drugs.

With MAAPP, you are always up-to-date on approved innovative medicines, those awaiting marketing authorization (MAA), and those under review by the EMA. The product also provides important information on innovative medicines funded by the Portuguese government, according to therapeutic indications, subgroups and other conditions of use. In addition, you will find important data on ongoing and planned clinical trials, as well as those that have supported the assessment of therapeutic benefit. Check the conditions for participation in a clinical trial or find a clinical trial suitable for your patient.



Big Data



IoT & Connected



Artificial Intelligence



Blockchain



Web Apps & Solutions



Mobile Apps



3D & Mixed Reality AR/VR

AOF APP

Manage & optimize operations time in construction & rehabilitation projects.

UX/UI Design

Development

AOF is a Portuguese construction company specialized in the rehabilitation of monuments for over 50 years. LOAD was asked to develop a digital solution for the management and monitoring of works at all levels and at all times. The goal was to monitor and support all ongoing projects, from personnel to materials. In addition, but no less important, we were asked to support AOF in managing these projects remotely, as there is currently a pandemic.

We use Progressive Web Apps (PWA) to develop this solution, which results in significant cost reductions for our client. It can be used by both on-site managers and technicians specialized in the different areas of work related to historic preservation.



Big Data



IoT & Connected



Artificial Intelligence



Blockchain



Web Apps & Solutions



Mobile Apps



3D & Mixed Reality AR/VR

PROFITNET

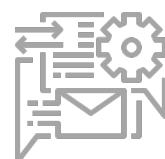
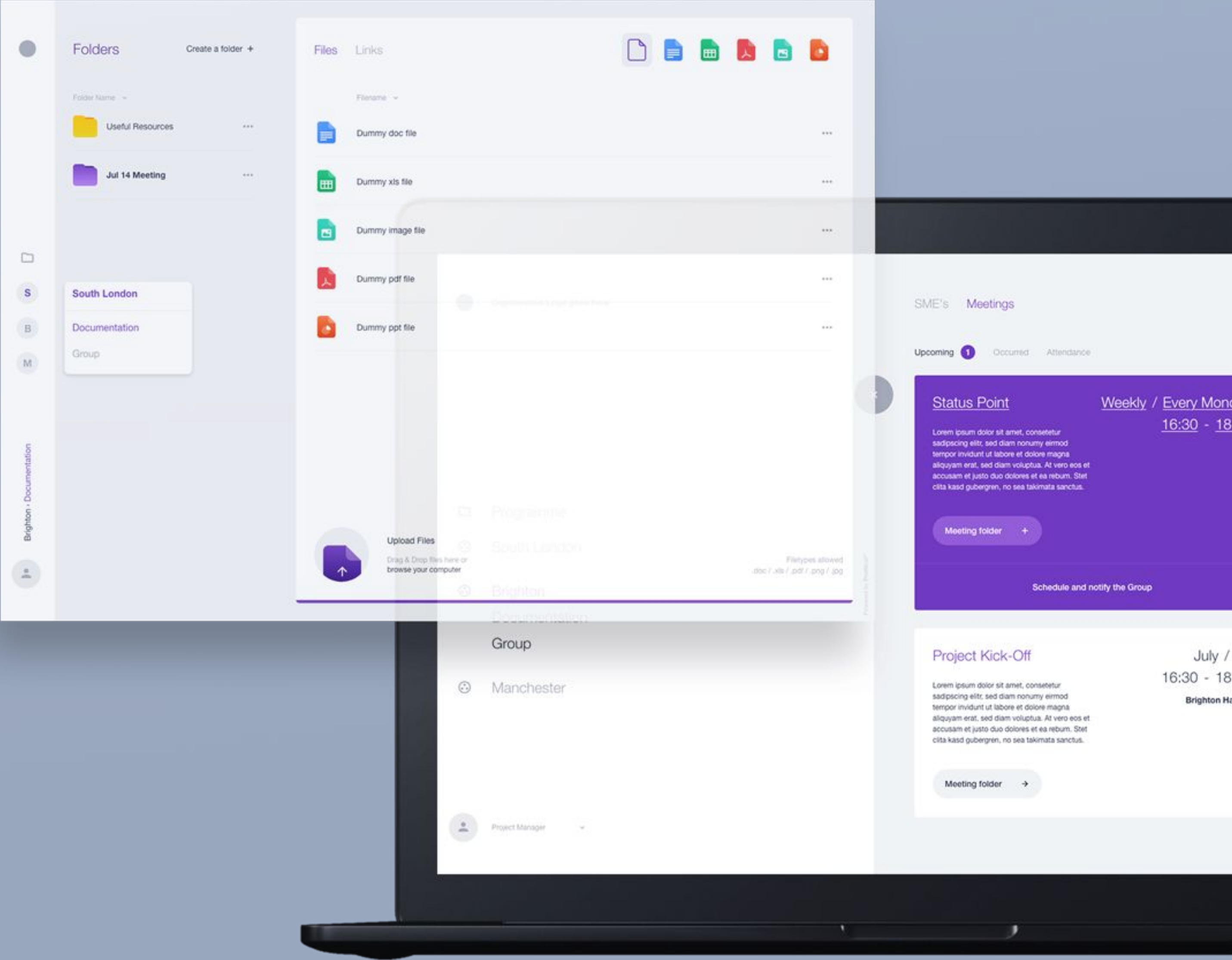
A groundbreaking model that drives innovation and supports collaborative learning between universities.

UX/UI Design

Development

Profitnet was originally developed as part of a 10-year academic research program at the Center for Research in Innovation Management (CENTRIM) at the University of Brighton and has been in operation since 2004. Today, however, the program is being developed by LOAD (UoB) as a digital venue to support the program across all universities in the UK.

We have worked with UoB to develop the Profitnet platform which, among other things, allows subscribed facilitators and members to collaborate in complete confidentiality to find solutions to real business problems and help each other identify and develop opportunities.



Big Data



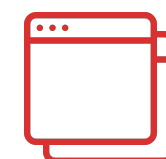
IoT & Connected



Artificial Intelligence



Blockchain



Web Apps & Solutions



Mobile Apps



3D & Mixed Reality AR/VR

CLIMAR

A B2B solution to improve product display and on-the-fly documentation.

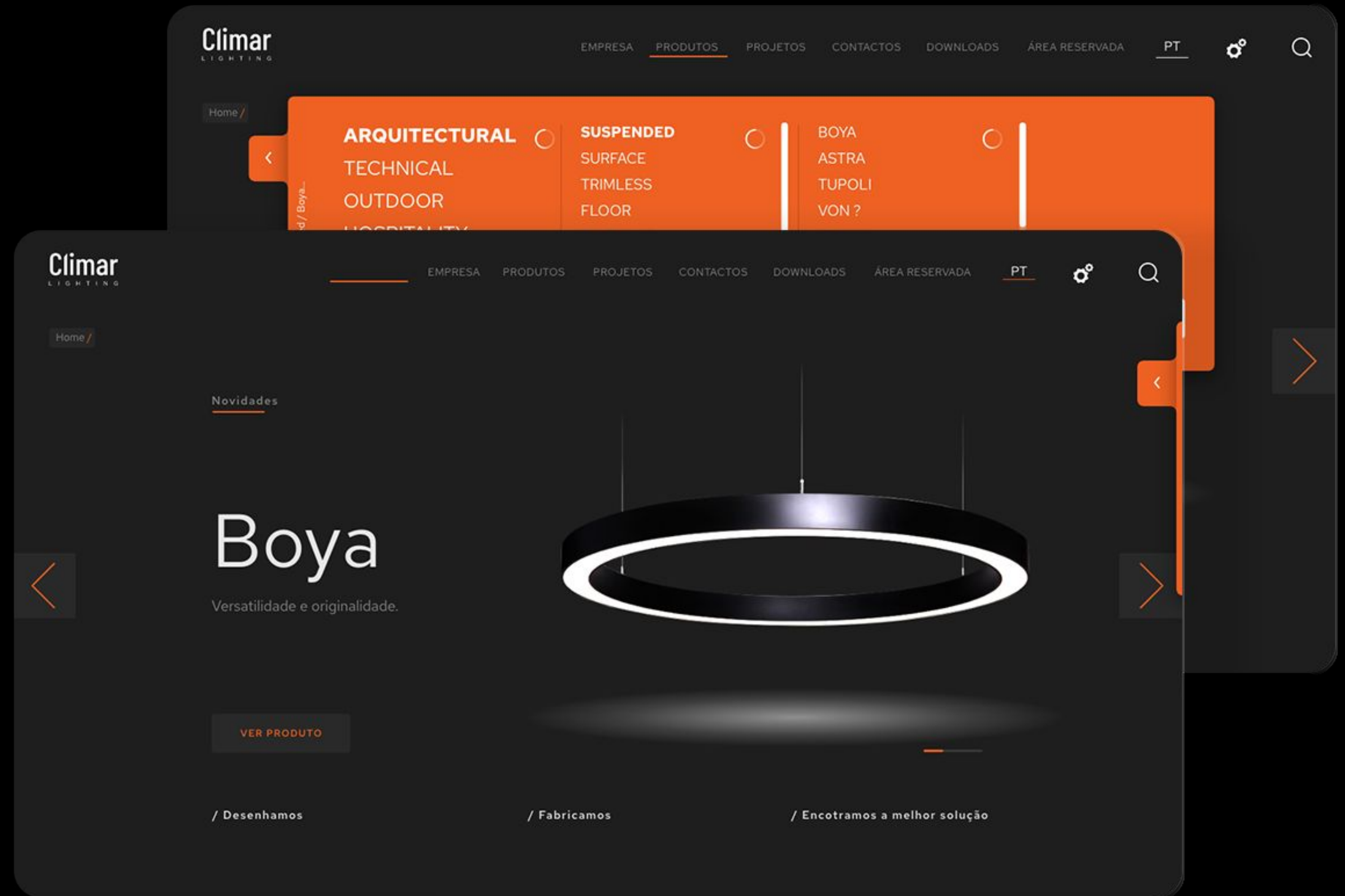
UX/UI Design

Development

Climar is a company focused on producing the best custom lighting solution. They approached LOAD with the goal of developing a differentiated web solution for their business.

Before we could begin development, we first had to figure out exactly what services the company wanted to improve. We found more than one goal in their expectations, namely to develop a unique customer experience alongside the indispensable integration with the PHC system.

Therefore, LOAD developed a website that is much more than an ordinary one, because it is complex enough to work and integrate with third-party systems, and it is also customer-centric, improving their business activities and products.



Big Data



IoT & Connected



Artificial Intelligence



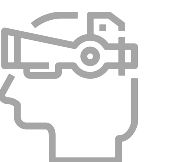
Blockchain



Web Apps & Solutions



Mobile Apps



3D & Mixed Reality AR/VR

How to train specialized operations in order to be prepared for different scenarios at the operation and maintenance needs?

3D Design Development

This project was about creating an immersive 3D environment in virtual reality by recreating the inside of a wind turbine (at the top of the tower).

Using the HTC Vive and the appropriate hand controllers, the user must disassemble all the components of the wind turbine, identify the problem, and reassemble it.

With this digital replica and in a training environment, professionals can prepare for the real and most adverse scenarios.

Among the many benefits offered by such a solution, flexibility in creating scenarios has been identified as the most important feature for reducing training time and costs without sacrificing maintenance quality.



VS - VERSUS

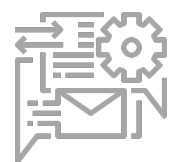
An endless mobile runner game.

3D Design

Development

LOAD has developed Versus, a third-person perspective game in which the player must maneuver his avatar to avoid obstacles and complete laps around a planet using his abilities (jumping, lowering, and shooting), increasing his speed and the difficulty of the obstacles with each lap.

Besides, the game has a multiplayer mode called "versus", in which the user must carry out a simultaneous competition between two players, where both try to defeat the opponent in the same world. Besides, there is the possibility of setting QUDO (Proof-of-Gameplay reward mechanism) on multiplayer games, in which the winner gets the QUDO of the loser.



Big Data



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Artificial Intelligence



Blockchain



Web Apps & Solutions



Mobile Apps



Real-time 3D

Galp - Sales Support App

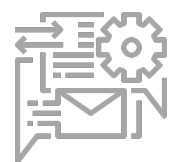
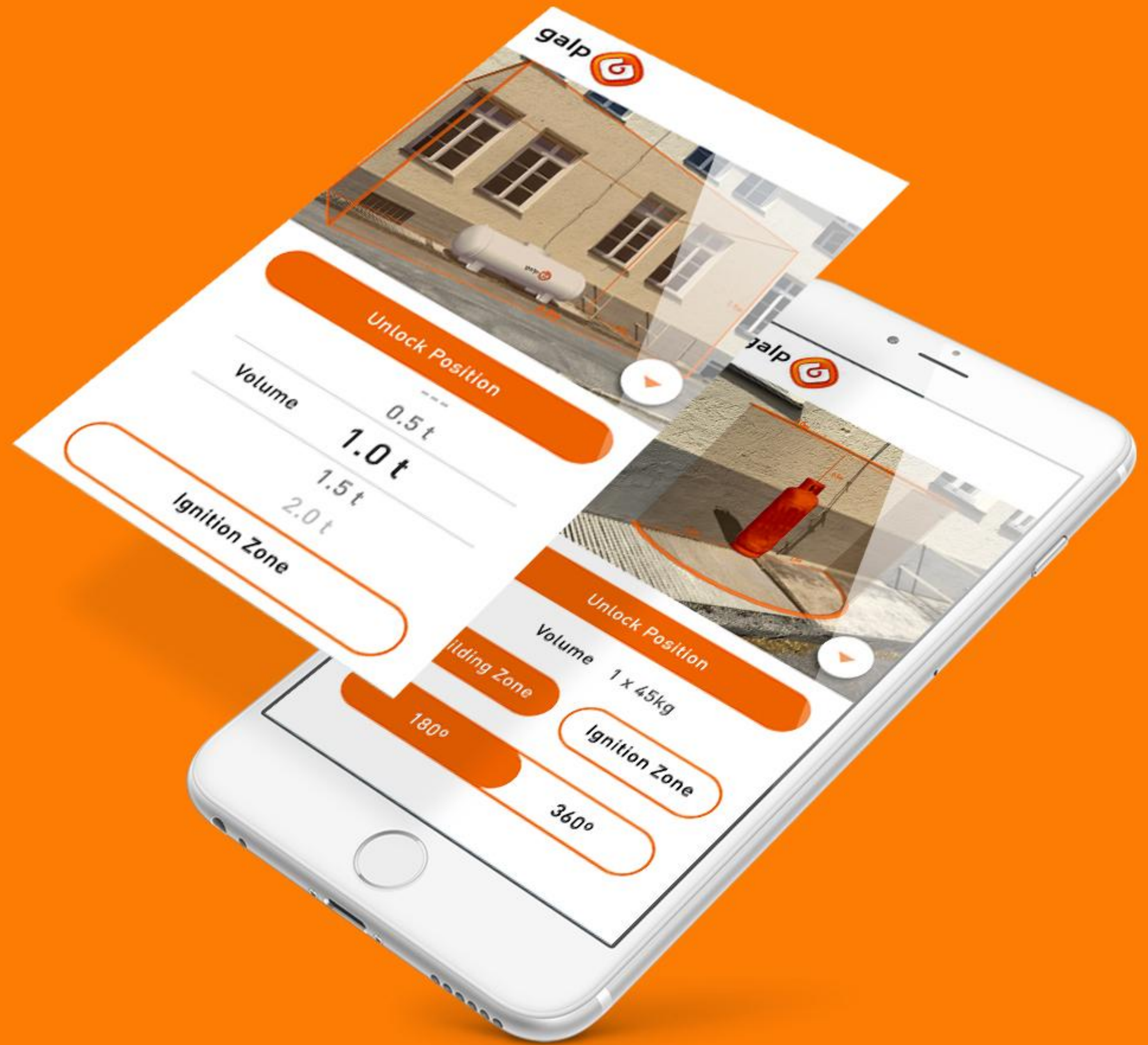
Helping employees install gas tanks at customers' premises using AR.

UX/UI Design

Development

LOAD has helped Galp improve a mundane engineering task of placing the gas tank on the customer's facility to meet all measurements and safety conditions on-site with AR.

With this product, virtual safety zones can be visualized around the tanks to ensure that the tank is placed correctly according to regional laws and guidelines. In addition, the AR (Augmented Reality) application allows customers to share images of the setup each year to verify that the original setup has not been altered in a bad way. Apart from the fact that this product can save costs and time for both parties, it also supports the required annual audit standards.



Big Data



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Artificial Intelligence



Blockchain



Web Apps & Solutions



Mobile Apps

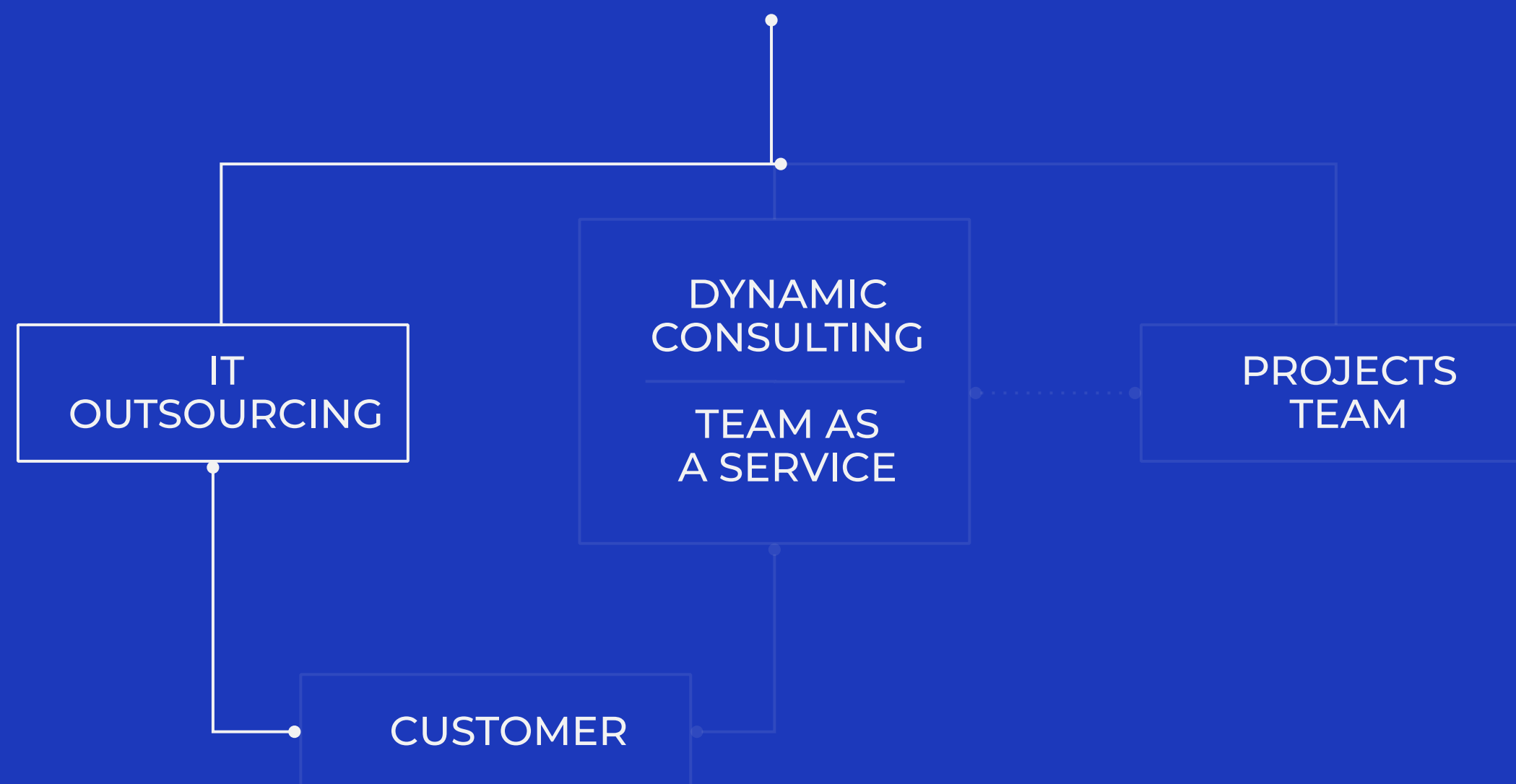


Augmented Reality

Digital Consulting



load

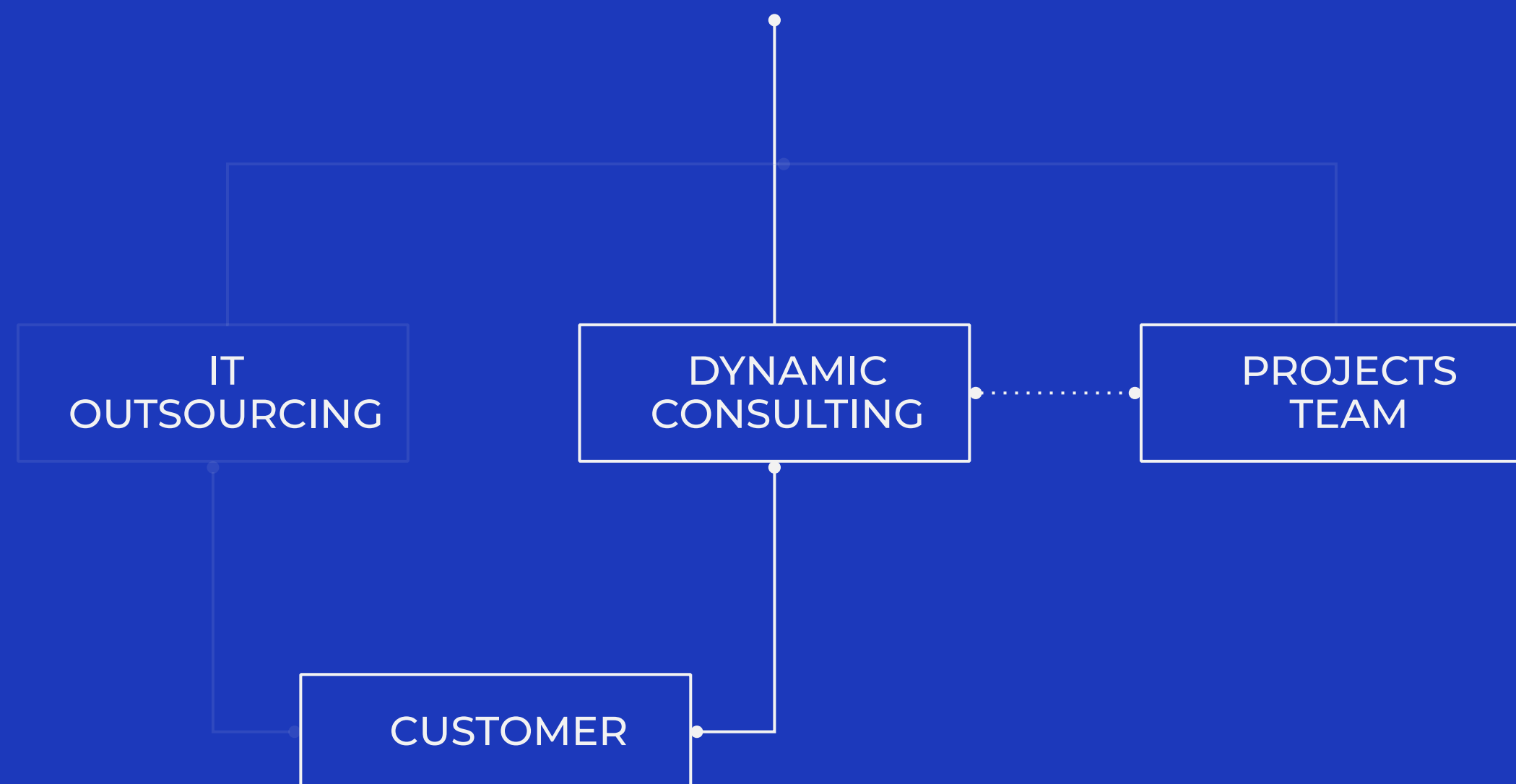


IT Outsourcing

In addition to developing digital products, we also offer **digital consulting services** to our customers.

LOAD's traditional consulting model addresses our clients' challenges by integrating LOAD experts into their team, remotely or on-site.

load



Dynamic Consulting

LOAD offers the **Dynamic Consulting** model in a slightly different way. Traditionally, this model solves our clients' challenges by providing remote experts to work with their team. In addition, we offer a flexible FTE allocation model where a consultant doesn't need to be fully assigned and we can provide integrated coordination and capacity from our internal project team.

IT Outsourcing vs. Dynamic Consulting

Why we are better

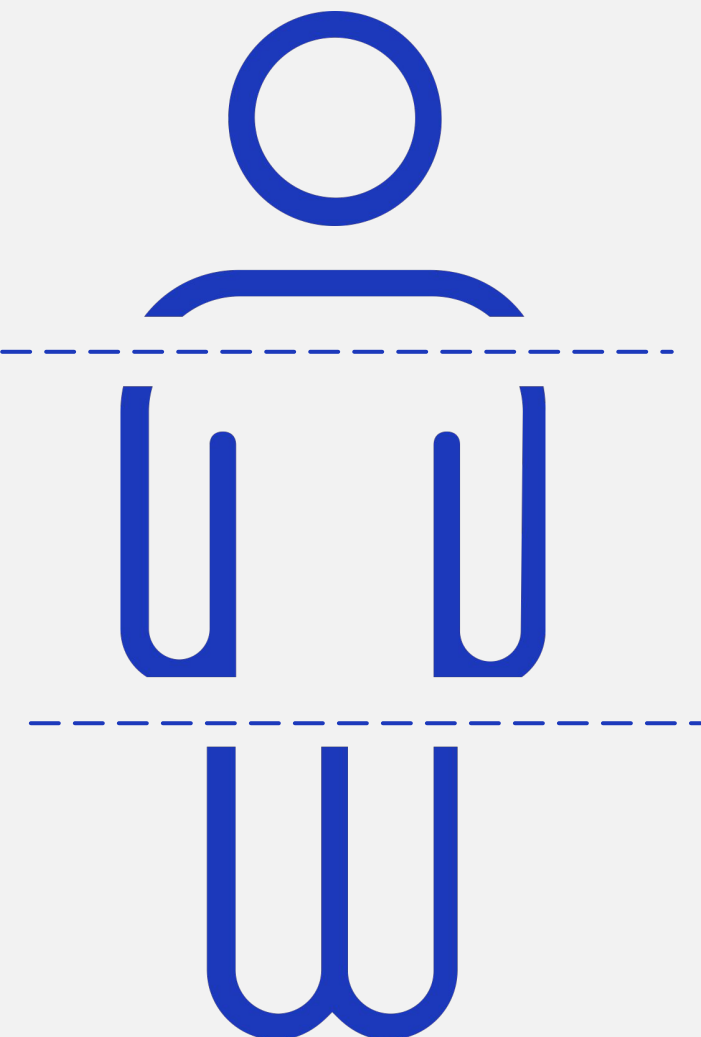
TRADITIONAL
CONSULTANCY



1 FTE = 1
PERSON

When your need is a
SPECIFIC PROFILE

DYNAMIC
CONSULTANCY



0,3
FTE
PROFILE
1

0,5
FTE
PROFILE
2

0,2
FTE
PROFILE
3

1 FTE = MULTIPLE
PEOPLE

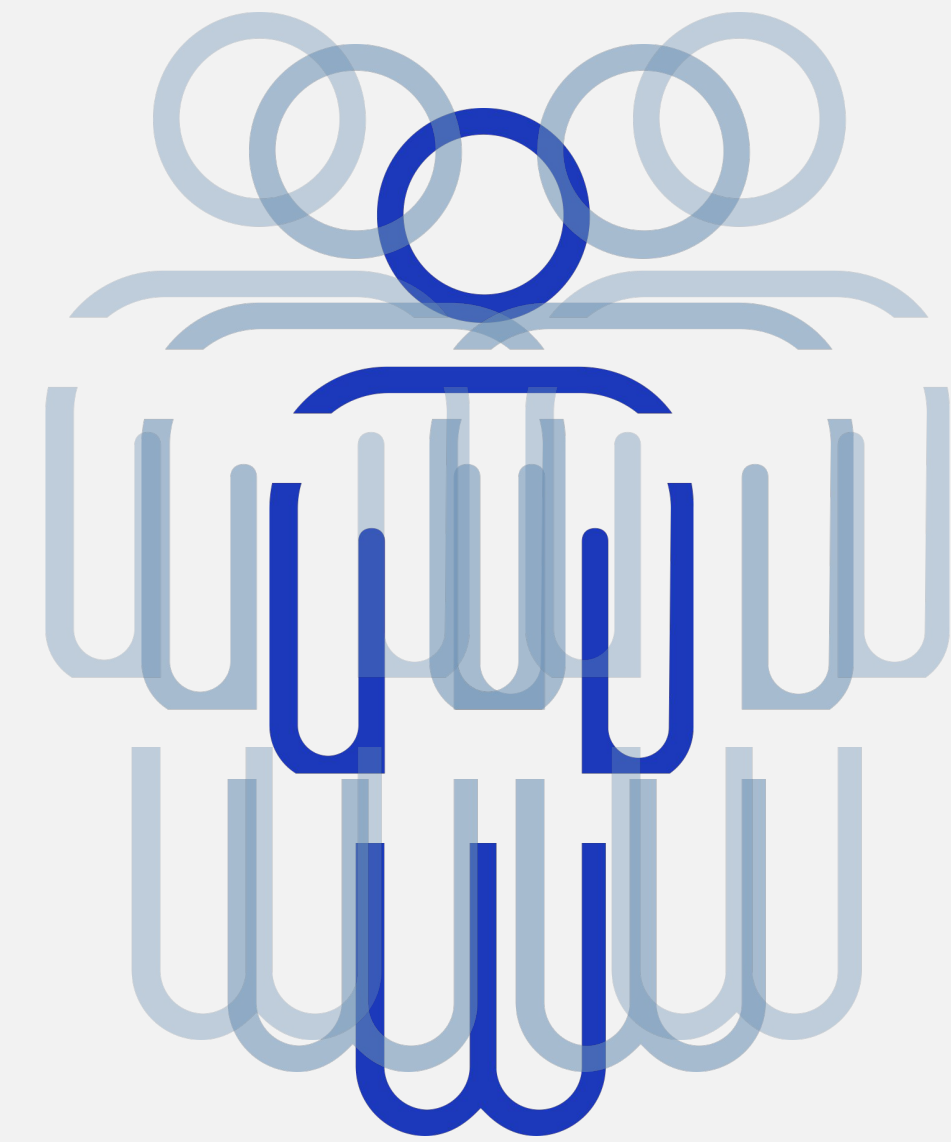
When your need is
SEVERAL ROLES

What is Team-as-a-Service?

Team-as-a-Service (TaaS) is a dedicated team composed of various specialists who assist customers with a variety of tasks ranging from digital product design, architecture, development, testing and other digital specialties. This type of service lends itself to an ongoing relationship between the client and the team. It expands the capacity of the client team and does not require as many interactions as traditional consulting models. This can provide tremendous benefits throughout the lifecycle of a digital product.

With this model, we can allocate an initial configuration to the team working with the client, composed of a variety of profiles, some fully allocated, others partially allocated, ranging from seniors to juniors, and increase (or decrease) the size of the team over time.

Team as a Service



0,3 FTE	1,0 FTE	1,0 FTE
PROFILE 1	PROFILE 2	PROFILE 3

FTE - Full-time Equivalent

When you need **multiple** roles that work **independently** yet are an **extension** of your team.

LOAD is...

Commitment
Knowledge
Quality
Flexibility



In addition to the values necessary for good collaboration - **commitment, knowledge, quality** - we value **flexibility**.

A methodology that reverses the learning curve and provides a short-term results-oriented approach to risk mitigation.

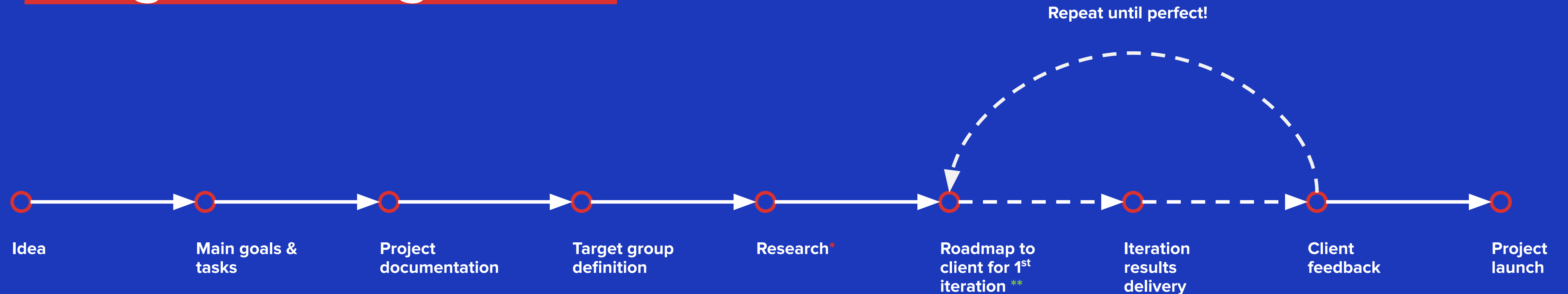
Affiliated to the Masters in Innovation group, European leaders in innovation and new product development and Master Brokers of the European Space Agency for technology transfer between space and Earth.

We are a digital innovation engineering firm with a hands-on, pragmatic mindset and the ability to expand when needed.

We are advocates of a democratic approach to the technology needed to innovate.

Creative, multidisciplinary, lean and systematic approach to ideation, selection, concept definition and technical implementation.

Design Thinking - UX/UI



*Research

1. One-day workshop/ kick-off meeting
2. Consumer research (individual consumer interviews)
 - i. Definition of the number and type of questions
 - ii. Development of the survey
 - iii. Conclusions of the survey
 - iv. Preparation of a report

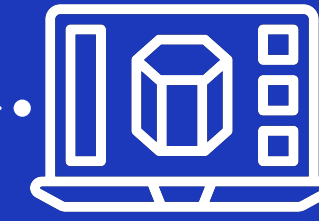
**Roadmap to client 1st iteration

1. Definition of personas / use cases
2. UX Approach Definition
 - i. User stories definition
 - ii. Customer journey maps / user workflows
 - iii. Wireframe creation
 - iv. Mock-up production
 - v. Prototyping
 - vi. UI design
3. Project calendar and delivery dates



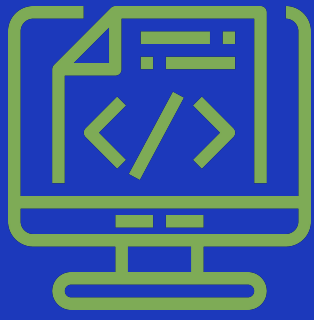
UX / UI Design

- Concept validation
- Ideation
- User Personas
- User stories development
- Customer journey mapping
- Information Architecture
- Design research
- Rapid prototyping
- UI Design
- UI Testing & QA
- **Misc Utils:**
Balsamiq, Invision, Zeplin, Slack, Photoshop, Sketch



Software Engineering

- Benchmarking & Software Auditing
- Brainstorming & Fast Prototyping
- System Architecture & Design
- Agile Project Management
- Web & Mobile Development
- Data Warehousing & Data Mining
- DevOps & System Management
- Artificial intelligence, deep learning, CNNs, RNNs, LSTM-CRF, NER, machine learning
- Blockchain, Smart Contracts, DApps
- CyberSecurity
- Computer graphics, real-time 3D
- Virtual & Augmented Reality
- Computer Vision
- Unit testing, functional testing, integration testing, acceptance testing
- Technical writing (architectural design documents, interface control documents)



Software Development Skills

- **Native Mobile**
iOS, Android
- **Hybrid Mobile**
Ionic, React Native, Xamarin, Cordova
- **Web client-side**
Html5, Css3, AMP, PWA, Angular, Socket.io, React, Sass, Bootstrap
- **Server-side**
Node.js, Express.js, MySQL, MariaDB, SQLServer, PostgreSQL, LAMP
- **Big Data**
Hadoop, Spark, Kafka, MongoDB, Cassandra, Hbase, Redis, ElasticSearch, RabbitMQ, Mosquitto, BigQuery
- **Programming languages**
Java, Kotlin, Swift, Objective-c, Javascript, Typescript, PHP, Python, C++, C#, Go
- **IaaS/PaaS**
IBM Bluemix, Amazon (AWS), MS Azure

- **Blockchain**
Bitcoin core, EOS, Ethereum, Smart Contracts, Solidity, EOS.IO, EOS JS, IPFS, C++, Solana
- **Artificial Intelligence**
TensorFlow, Keras, Caffe, NumPy, Python, CoreML, Py Speech Recognition, Microsoft Speech SDK, Linguakit / NLTK, Cereproc, Freeling, OpenCV, Pyttsx, Neo4j
- **3D, Computer Vision, AR/VR**
Unity3D, OpenGL, WebGL, OpenCV, OpenNI, ARToolkit, Vuforia SDK
- **Embedded fast prototyping**
Arduino, Raspberry-Pi
- **Tests**
Protractor, Jasmine, Karma, XCTest, Appium
- **Collab & Tracking**
JIRA, Confluence, Trello, Slack, Basecamp
- **Devops & Misc Tools**
Jenkins, Fastlane, Fabric/Crashlytics, Swagger, Confluence, Testflight, SendGrid, Docker
- **Version control**
GIT, SVN

LOAD is part of the **Verhaert** Group, a leading center for product innovation.

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Thank you.

