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.

MASTERS IN INNOVATION®

INTERNATIONAL NETWORK

LOAD is part of the Masters in Innovation Group, a leading product innovation center.

WE ARE **LOAD**

12 YEARS

2012

LOAD is founded with a focus on customized web and mobile solutions.

2013

Affiliation to Masters in Innovation Group.

2014

Creation of the Digital Product Research department.

2015

Creation of R&D Department.

2016

ISO 13485 Certification.

Focus on eHealth solutions. First digital medical device introduced.

2017

Digital Consultancy Services division established to provide dynamic, remote and on-site services.

2018

R&D focus on new technological trends: Blockchain, Artificial Intelligence and Virtual Reality.

2019

Consolidation as Digital Innovation Specialists

2020

Becoming a medical device software specialist manufacturer with ISO 13485:2016 certification with global

2021

Creation of an innovation department with a focus on international partnerships.

2022

Specialized in outsourcing Cybersecurity talent.

2023

Grow an operational Cybersecurity team.

OUR **CUSTOMERS**

PORTUGAL

Brisa · IKEA · altice · ÁGUAS DE PORTUGAL · J. Walter Thompson · sata · SOGRAPE VINHOS DE PORTUGAL · ascendi

TEIXEIRA DUARTE · SONAE · Rangel LOGISTICS SOLUTIONS · lightenjin · Vestas · Porto Editora · Biogen

BENELUX

Coca-Cola · SIEMENS · KPMG · ZIGGO · proximus · ABInBev · brand doctors · aps Group

SONY MUSIC · Abbott A Promise for Life · SANOFI · APP AGENTS · BNVmobility · niko · WELL PUMPS

OTHER GEOGRAPHICAL AREAS

MSD · Valeo · net one

Business Verticals

Digital Product Strategy

DPR
Digital Product Research

Our digital product research process is a thorough investigation of your product idea, starting with an assessment of the target user's needs and ending with the implementation of a practical plan, including redefining the value proposition, conducting a comprehensive 360-degree analysis of the new product in a workshop setting.

DPD
Digital Product Development

We bring your idea and product to life. From concept and solution analysis *, through design work, defining the architecture of the solution, materializing with software development, validation, ending with the final launch and delivery of the product.

* If DPR occurs.

DPI
Digital Product Introduction

We take responsibility for the vitality of your product, so you can focus on the broader aspects of your business. Our commitment includes comprehensive testing, user behavior analysis, tailored ongoing support based on a customized service level agreement, regular maintenance, and continuous product improvement.

Digital Consultancy

* **ON-SITE**
* **DYNAMIC**
* **TAAS**
CONSULTANCY

Digital R&D

Get Know-How From
* **EU & PT Research & Innovation Initiatives**

Portfolio

our work

load

ARCADIAN – IoT
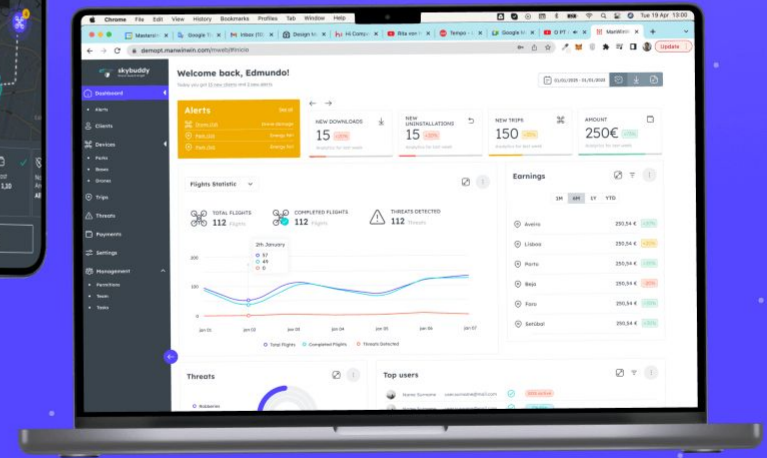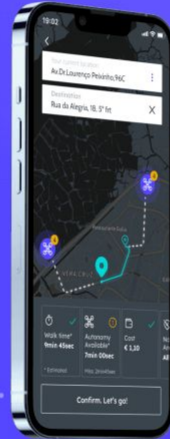
Introducing Drone Guard Angel (DGA)
The Uber of self-surveillance

UX/UI Design   **SW Development**

ARCADIAN – IoT aims to drive the evolution of IoT systems towards decentralized, transparent, and user-controllable privacy. Three practical use cases will be conducted to demonstrate the applicability to real-world solutions. One of these use cases focuses on the use of drones and IoT technology for emergency response and surveillance. The goal is to demonstrate how the Arcadian IoT platform can help improve emergency response and surveillance scenarios.

Web Apps   Mobile Apps   3D AR VR   Earth Observation   Big Data   Blockchain   Internet of Things   Artificial Intelligence

ManWinWin - Navaltik

Maintenance management software aiming to reduce costs and increase equipment lifecycle.

UX/UI Design

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

After a few brainstorming and design sprint sessions, we started developing the initial flow and wireframing towards an A/B test investigation of the look and feel. To date, we have delivered both a smartphone and tablet MVP version. We are currently in the usability testing phase.

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

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

Log Migraine

Location of Pain

Left
Right
Back

Confirm

CeCe
MIGRAINE MANAGEMENT

by
CEFALY
TECHNOLOGY

Log Migraine

Log Treatment

Insights

Web Apps Mobile Apps 3D AR VR Earth Observation Big Data Blockchain Internet of Things Artificial Intelligence

ASCENDI

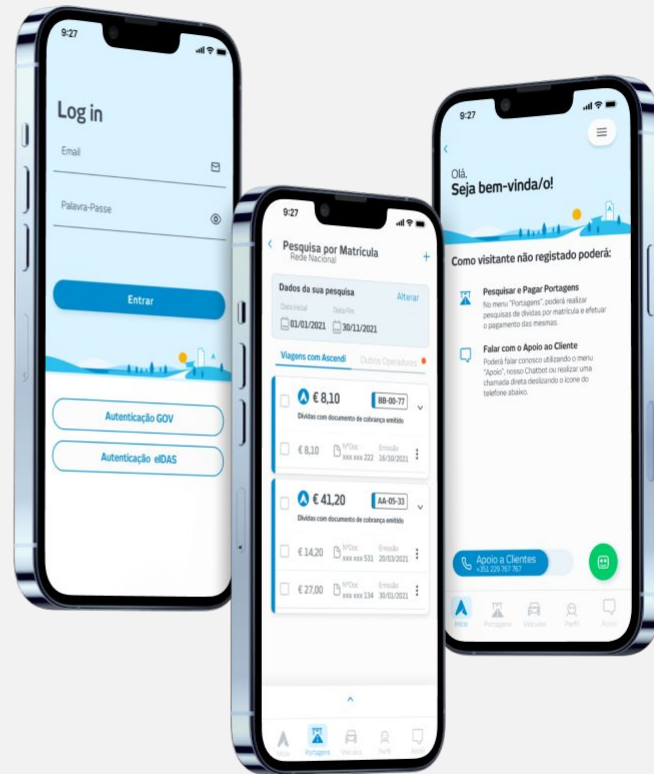# Managing payments and your daily travel cost.

UX/UI Design   SW Development

After a requirements assessment and a design study, we succeeded in finding the best experience for the app that best matched the corporate language and goals.

As one of the most important features and utilities for customers is the management of payments and daily travel expenses, we wanted to ensure that this experience, as well as all technical aspects of the integration, met the expectations of Ascendi's client.

From a technology perspective, we had to manage all parties involved from payment providers (such as SIBS) and other complex development environments to provide a seamless experience for users.

Web Apps   Mobile Apps   3D AR VR   Earth Observation   Big Data   Blockchain   Internet of Things   Artificial Intelligence

VS - VERSUS

An endless mobile runner game.

UX/UI Design | GameFi

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

The game also features a multiplayer mode, called "versus", in which the user has to contemplate a simultaneous competition between two players in which both try to beat the opponent in the same world. There is also the option to wager QUDO (proof-of-gameplay reward mechanism) on multiplayer games, with the winner receiving the loser's QUDO.

Web Apps | Mobile Apps | 3D AR VR | Earth Observation | Big Data | Blockchain | Internet of Things | Artificial Intelligence

LOAD is...

**Commitment
Knowledge
Quality
Flexibility**

TÜVRheinland®
CERTIFIED

In addition to the values necessary for good cooperation - commitment, knowledge, quality - we place great value on flexibility.

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

We are part of the Masters in Innovation group, European leaders in innovation and new product development, and are European Space Agency Master Brokers for space-to-earth technology transfer.

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.

We take a creative, multidisciplinary, lean and systematic approach to ideation, selection, concept definition and technical implementation.

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.

Av. Dr. Lourenço Peixinho, 96D, 4º Andar
3800-159 Aveiro, Portugal

info@load.digital

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Thank you.