elinext

Company Profile

Automotive



Elinext Company Overview

Since 1997

In custom software development

7

Development centers in Europe and Asia

700+

In-house employees 85% are software engineers

300+

Clients worldwide

Focus on specific domains:

- Web & Mobile Apps
- UI/UX Design
- CRM & Customer Engagement
- ERP & Asset Management
- IoT & Infrastructure Management
- Cloud Computing & SaaS Development
- Blockchain
- DevOps

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Technologies

Backend


Java


Python


Node.js



.NET/C#


C/C++


Solidity



PHP

Frontend


React.js



Javascript


Angular



Typescript


Vue.js

Mobile


Kotlin


Swift


Flutter



React Native

Cloud



AWS


Azure


GCP


Digital Ocean

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Quality Certified

Ensured by Elinext Management System:

Certified Quality Management

Certified Information Security Management

Google Cloud Certified

AWS Certified

MS Azure Certified

Proven by dedicated external audits:

- Code Review
- Static Analysis
- Dynamic analysis
- QA and unit-tests
- Continuous Integration
- Rules and processes

Continuous competence development:

- Best-practice and knowledge sharing in onboarding process.
- Professional trainings, including external courses.
- Developer conferences and international hackathons

We develop automotive solutions strictly in line with product/process quality and security standards, including:

IATF 16949

AEC-Q100

AEC-Q200: IATF 16949

CSMS

ISO/SAE 21434

ISO PAS 5112

ISO 24089

ISO 27000

TISAX

IEC 62443

Cybersecurity in ASPICE

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Automotive Clients

Volkswagen Financial Services

A major European car manufacturer used Elinext to develop a B2B online payment system. For customers, it would be the same as paying via a card terminal in a store — but on the Internet. The application needed to process payment details safely and securely.

Ongoing cooperation for 3.5 years

Lead Developer, 2 Full-Stack Developers, QA Engineer, Android Developer, IOS Developer

Time And Materials

CARAUKTION

The client is a Swiss IT company developing software for automotive industry clients. The project is a car auction platform where B2B clients can either sell their cars directly or enlarge a car fleet with cars placed for bidding.

Ongoing cooperation since 2016

Dedicated team of 8 professionals

Time And Materials

Parrot

Parrot is Europe's largest drone manufacturer. The company provides best-in-class technology for inspection, first responders, firefighters, search-and-rescue teams, security agencies and surveying professionals.

Duration: 6 years

Dedicated team of 7 specialists

Time And Materials

juice

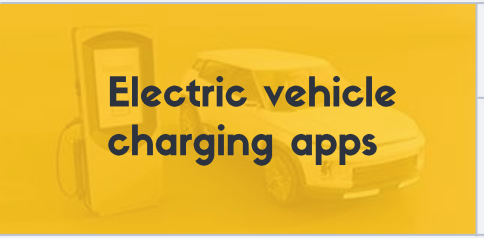
A Switzerland-based company that specializes in creating innovative EV-charging solutions came to Elinext with the idea to create iOS and Android mobile apps for charging.

Duration: 2 years

Dedicated team of 3 IOS and 2 Android Developers, 1 QA, 1 BA, 1 PM

Time And Materials

Automotive Expertise



Electric vehicle charging apps	✚ Charging station locator	✚ Charging session management	✚ In-app payments
	✚ Charging history and scheduling	✚ Dynamic route planning based on EV's current charge, charging station locations, etc.	✚ Web, iOS, and Android support



Advanced driver-assistance systems (ADAS)	✚ Lane keeping assistance	✚ Traffic sign recognition	✚ Automatic emergency braking
	✚ Parking assistance	✚ Blind spot monitoring	
	✚ V2X connectivity	✚ Driver behavior monitoring	



Online auction platforms	✚ Seller and buyer registration	✚ Live and timed bidding	✚ Order processing
	✚ Detailed vehicle listings	✚ Integration with third-party payment systems	✚ Real-time auction updates and notifications

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Automotive Expertise

Dealer Management Systems	Sales and customer relationship management	Parts inventory management	Vehicle warranty management
	Service and maintenance tracking	Financial reporting and analytics	
Iot-based Telematics Solutions	Real-time vehicle location tracking	Vehicle health and performance monitoring	Service reminders and predictive maintenance
In-vehicle Infotainment Systems	Integration with different media sources	Voice-based control	Search for points of interest (POI)
	WiFi and Bluetooth connectivity support	Integration with vehicle sensors and diagnostic systems	

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Automotive Expertise



GPS Navigation Solutions

- Live traffic data integration
- Smart route planning
- Turn-by-turn and voice navigation
- Integration with third-party geolocation services



Vehicle Diagnostics Software

- Integration with OBD-II system
- Diagnostic trouble codes reading
- Comprehensive vehicle scanning
- Repair history
- Easy-to-understand diagnostic reports



Carsharing Applications

- Vehicle Management Systems
- User Authentication and Identification
- Reservation and Booking Systems
- Payment Processing
- Geolocation and Mapping Integration
- Fleet Tracking and Monitoring
- Customer Support and Communication
- Rating and Feedback Systems
- Integration with IoT Devices

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App For Charging Solutions For Electric Vehicles

iOS and Android mobile apps that are used with the company's EV-charging devices to make the process of charging electric vehicles clearer for the owners of green cars.

Learn More ->

Features

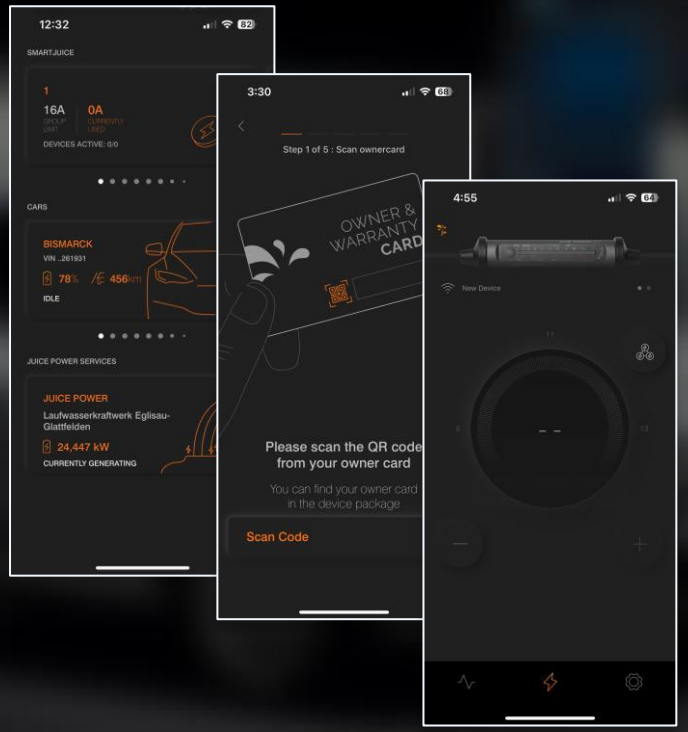
- Adding and managing the device
- Visualizing energy levels
- Charging scheduling
- The device's status (charging, charged, overheated)

Technologies

- LOTTIE
- KOTLIN
- RETROFIT
- COREANIMATION
- SNAPKIT
- APPAUTH

CLIENT

A Switzerland-based company that specializes in creating innovative EV-charging solutions.



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Online Used Cars Auction Platform

A car auction platform where B2B clients can either sell their cars directly or enlarge a car fleet with cars placed for bidding.

Learn More ->

Features

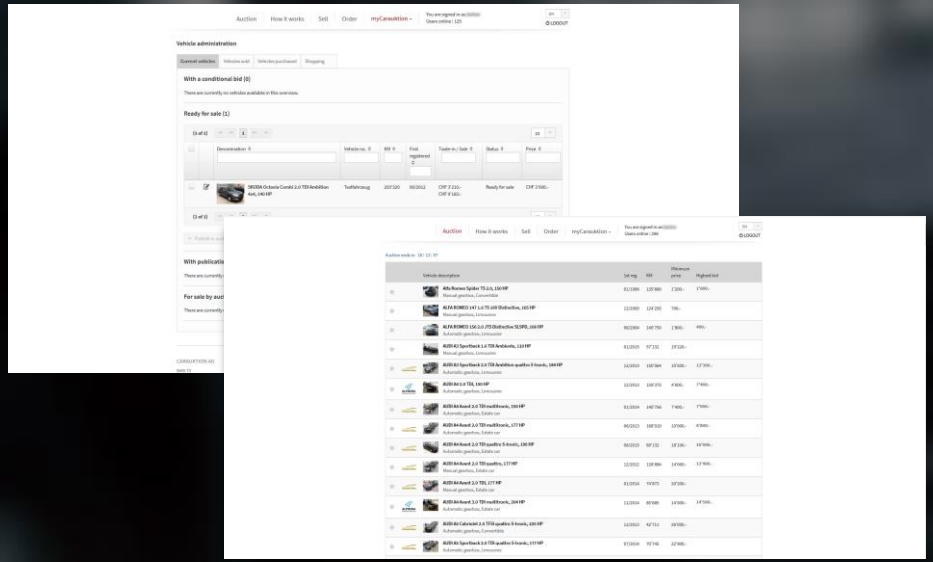
- Registration modul
- Lot description modul
- Auction modul
- Additional services modul

Technologies

- AVA
- JSF
- GLASSFISH
- MYSQL
- COUCHDB

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Swiss IT company developing software for automotive industry clients



Payment Kiosk For Global Parking Provider

The solution works as a layer providing secure work conditions between all external applications and the payment hardware.

Learn More ->

Features

- Layer that interacts with devices like credit card terminal, coin selector, printer, etc.
- Layer interacting with web services (payments, tickets, etc.)
- Layer to calculate the variety of parking tariffs
- Each parking kiosk has a 3G connection to the Internet

Technologies

- JAVA
- JENKINS
- MOBILE
- ANDROID SDK
- DEVOPS
- GIT

CLIENT

A European producer of parking payment kiosks.



Operating System For An Automative Head Unit

We have built car audio infrastructure from scratch. The scope of work included the development of an environment for the system, including core system applications (similar to Google Play Market), and the redesign of 3rd party applications to catch up with the new environment needs.

Learn More ->

Features

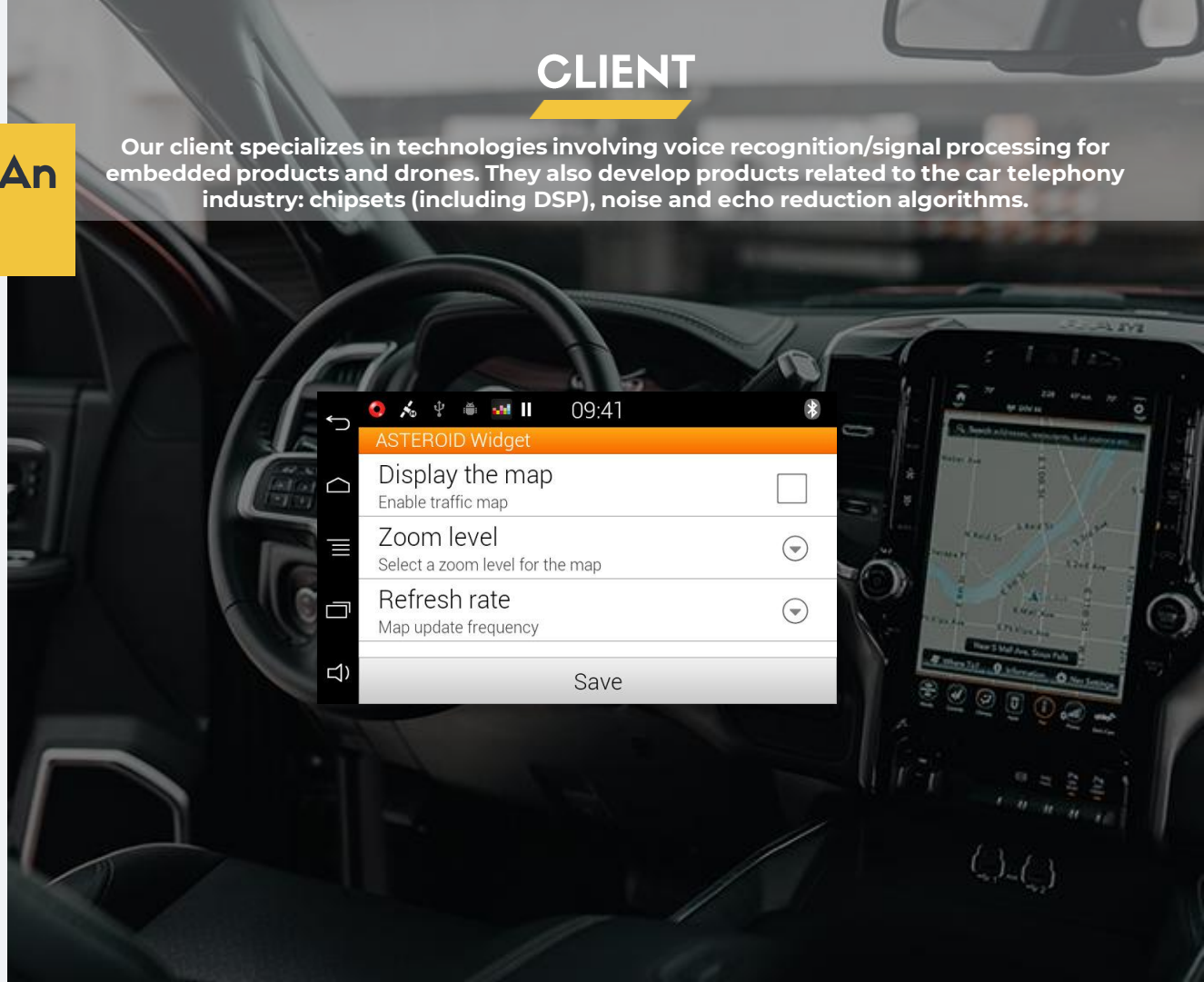
- Navigation application
- Widget application
- Voice Recognition feature
- Application Market

Technologies

- C++(NDK)
- C/C++
- MOBILE
- ANDROID SDK

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Our client specializes in technologies involving voice recognition/signal processing for embedded products and drones. They also develop products related to the car telephony industry: chipsets (including DSP), noise and echo reduction algorithms.



Car Insurance Auction Platform

The project is a web platform for auctions that connects insurance providers with their potential clients and allow these clients to get the most lucrative offer in terms of price and conditions.

Learn More ->

Features

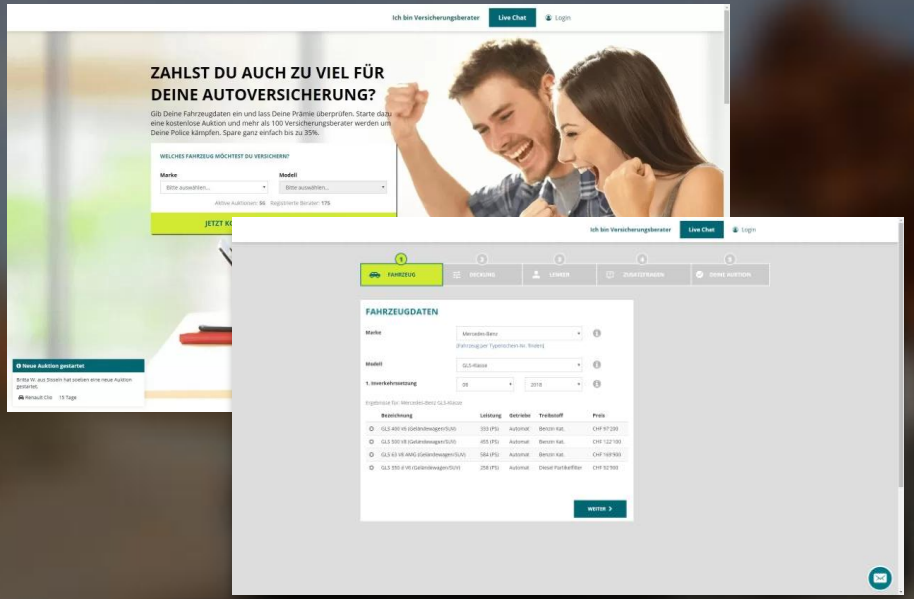
- High-quality photos and PDFs upload
- Search by the type and model of a vehicle
- User-friendly navigation
- Reliable data storage
- Live chat integration

Technologies

- SPRING BOOT
- JAVA
- PRIMEFACES 5.3
- JSF
- MARIADB

CLIENT

A Swiss-based provider of automotive software solutions



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Applications Suite For A Hands-Free Device

A mobile application for Android and the iPhone that provides users with the possibility to communicate with a hands-free car kit using Bluetooth connection of their phones. We created an MVP first.

Learn More ->

Features

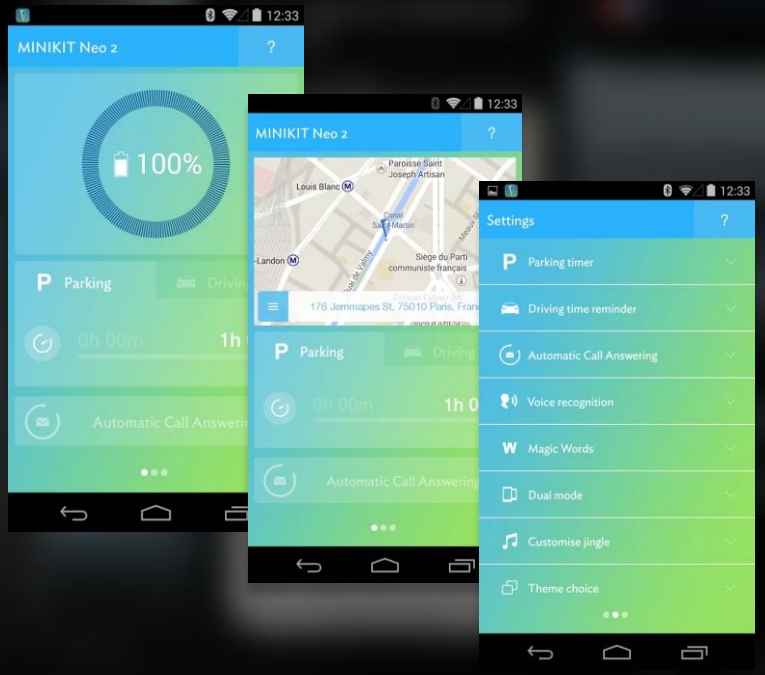
- Find my car
- Parking timer
- Driving time reminder
- Voice recognition2 Devices dual-mode
- Auto-reply SMS
- Customizing jingle

Technologies

- JAVA
- OBJECTIVE-C
- IPHONE SDK
- MOBILE
- ANDROID SDK

CLIENT

Parrot



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Navigation App For An Automotive Head Unit

The project is an all-in-one dashboard widget application that displays traffic around the current location or time and has a direct access to the main features of the ASTEROID Smart and Tablet.

Learn More ->

Features

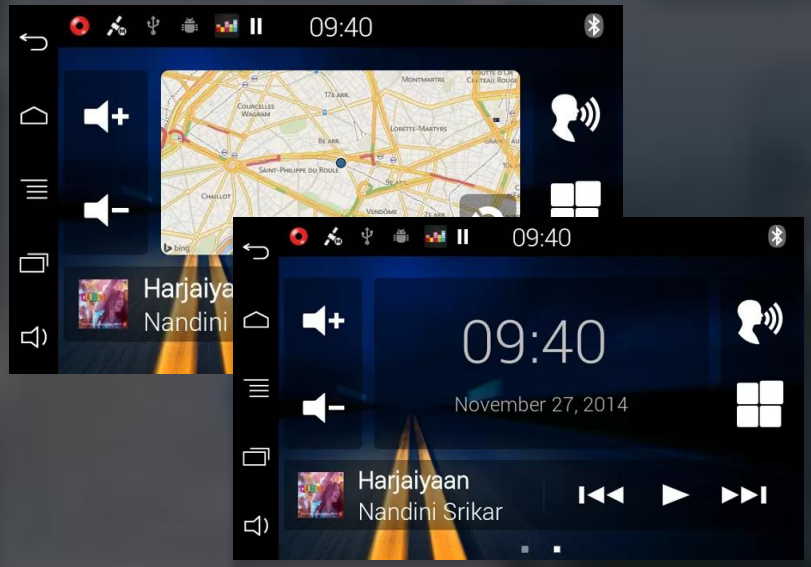
- Displaying traffic data using Bing traffic service
- Current date and time
- Basic controls for music playback
- Shortcuts to Voice Recognition system and Applications menu
- Day/Night mode
- Localization into 21 languages

Technologies

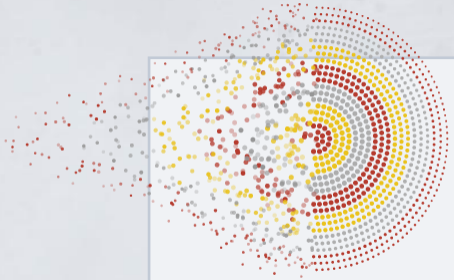
- JAVA
- OBJECTIVE-C
- IPHONE SDK
- ANDROID SDK

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An automotive software solutions provider



Solutions We Deliver



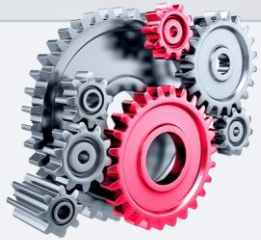
Data Management & Big Data



Business Intelligence / Analytics

Artificial Intelligence, Machine Learning, Robotic Process Automation

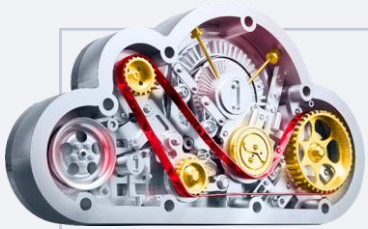




Quality Assurance



Internet of Things



Cloud-Solutions

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Cooperation Models

Fixed Cost

- To freeze project costs having a very detailed scope of work and schedule
- To avoid investing too much time in budget control and project tracking
- To develop an MVP or a small-scale product under $50,000 USD
- To have a high level of predictability

Time and Materials

- To be agile and adapt quickly your product to the market demand and internal needs
- To control the project costs and progress but it is difficult to define upfront scope, schedule and scope outlines
- To decrease costs by saving money calculated by the IT vendor for possible project risks

Dedicated Team

- To extend your team’s capacity
- To add specific knowledge or skills to your team
- To speed up your development process quickly
- To rely on the vendor's dev team as if it was sitting in our office



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Quality Delivered by the Team
(Agile Model)

Discovery and Design phase

- Team setup
- Plan and prepare
- Refine requirements (Functional and Non-Functional)

- Design
- Architecture
- Infrastructure
- Product backlog

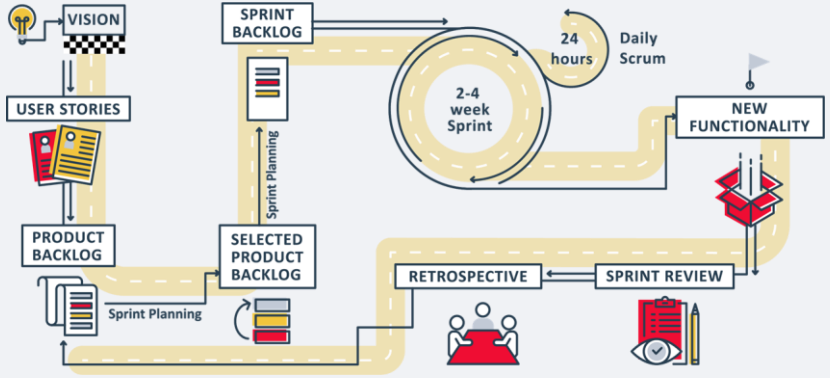
Development – 1 sprint (1-2 weeks) – recurring till the final delivery

- Sprint backlog and planning
- Feature(s)
- "Ready for Release"

- Sprint backlog and planning
- Feature(s)
- "Ready for Release"

Initial Analysis of requirements, planning, UI/UX Design (1-4 sprints):

- Proof features and their priority by value and complexity
- Design a truly flexible and future-proof solution
- Plan an effective communication model
- Ensure further possibility to develop several services/ features in parallel



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Let's set up a fruitful collaboration!

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