



Company Profile

Renewable Energy
Software Solutions



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



ERP & Asset Management



Blockchain



UI/UX Design



IoT & Infrastructure Management



DevOps



CRM & Customer Engagement



Cloud Computing & SaaS Development

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

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 green solutions strictly in line with product/process quality and security standards, including:



ISO 14001



ISO 50001



IEEE 1680.1



EED



ISO/IEC 30141



IEC 62368-1



PCI DSS



GDPR

Shaping the Future of Green Energy Management

 <p>Energy Management and Control Systems</p>	<ul style="list-style-type: none">Real-time energy consumption trackingSmart grid solutions	<ul style="list-style-type: none">Energy demand forecasting and load managementEnergy storage management	<ul style="list-style-type: none">AI-powered predictive maintenance
 <p>Carbon Footprint and Sustainability Tracking Solutions</p>	<ul style="list-style-type: none">Real-time emission monitoringProduct Carbon Footprint (PCF) analysis	<ul style="list-style-type: none">Energy-based emission calculationsDecarbonization solutions	<ul style="list-style-type: none">Automated sustainability report generation
 <p>Renewable Energy Integration and Optimization</p>	<ul style="list-style-type: none">Renewable energy asset monitoringHybrid energy systems optimization	<ul style="list-style-type: none">Grid synchronization and dynamic load balancingFinancial and environmental ROI tracking	<ul style="list-style-type: none">AI-powered renewable energy forecasting

Driving Efficiency in Supply Chain and Waste Reduction

 <p>Green Supply Chain Management</p>	<ul style="list-style-type: none">+ Sustainable sourcing and procurement	<ul style="list-style-type: none">+ Dynamic fuel-efficient route optimization	<ul style="list-style-type: none">+ Integration with GPS and telematics systems
	<ul style="list-style-type: none">+ Multi-modal transportation planning	<ul style="list-style-type: none">+ E-waste recycling solutions	
 <p>Waste Reduction and Recycling</p>	<ul style="list-style-type: none">+ Smart bins and IoT-based waste tracking	<ul style="list-style-type: none">+ AI-powered automated waste sorting systems	<ul style="list-style-type: none">+ Waste reduction analytics
	<ul style="list-style-type: none">+ Comprehensive circular marketplaces	<ul style="list-style-type: none">+ Sustainability reporting	
 <p>Life Cycle Assessment</p>	<ul style="list-style-type: none">+ Customization of impact categories	<ul style="list-style-type: none">+ Environmental impact analysis (ReCiPe, CML, ILCD, etc.)	<ul style="list-style-type: none">+ Integration with life cycle inventory databases
	<ul style="list-style-type: none">+ Interactive dashboards and customizable reports	<ul style="list-style-type: none">+ Detailed production processes modelling	

Pioneering Sustainable Transportation

 <p>Electric Vehicle Management Systems</p>	<ul style="list-style-type: none">EV charging management solutionsSecure payment processing and flexible payment options	<ul style="list-style-type: none">Dynamic load balancing and energy managementUsage statistics and performance insights	<ul style="list-style-type: none">Real-time charging station monitoring
 <p>Smart Traffic and Urban Mobility Solutions</p>	<ul style="list-style-type: none">Intelligent traffic management systems	<ul style="list-style-type: none">Dynamic parking management and integration with EV charging points	<ul style="list-style-type: none">Electric and hybrid bus fleet management
	<ul style="list-style-type: none">Ride-sharing and carpooling apps	<ul style="list-style-type: none">Bike and scooter sharing solutions	
 <p>Logistics and Freight Optimization Systems</p>	<ul style="list-style-type: none">Last mile deliveries using electric vehicles, bikes, drones	<ul style="list-style-type: none">IoT-based end-to-end shipment tracking	<ul style="list-style-type: none">Intelligent load and space optimization
	<ul style="list-style-type: none">Fuel consumption tracking	<ul style="list-style-type: none">Lowest-emission route identification for freight and delivery vehicles	

Our Core Strengths in Sustainable Software Development

1 Green Development Practices

We embed green practices into every aspect of our development process:

- Clean, efficient code that minimizes computational requirements
- Optimized algorithms to reduce resource usage
- Sustainable technologies for energy efficiency

2 Strong IoT Expertise

Tap into our IoT expertise to take control of your assets:

- Wi-Fi, Bluetooth, Zigbee, LoRaWAN, BLE, RFID and other IoT technologies
- Real-time monitoring and data collection
- Seamless integration with your existing ecosystem

3

AI-powered Data Analytics

Leverage our AI knowledge to transform your data into greener outcomes:

- Predictive analytics to optimize operations
- Intelligent algorithms to identify inefficiencies
- Actionable insights to support your decision-making

Carbon Footprint Tracking App

The client engaged Elinext to develop Android and iOS apps with a user-friendly interface to manipulate mathematical models and display the results in an easy-to-understand graphical way.

[Learn More ->](#)

Features

- Leveraging cross-platform mobile framework (Phonegap)
- Shared codebase for faster time-to-market and easier maintenance
- Algorithm optimization for high performance

Technologies

- ANDROID SDK
- CSS
- IOS SDK
- HTML
- PHONEGAP

CLIENT

A green IT company



Green Atlas: Environmental Map App

The Elinext engineers delivered a mobile app integrated with Google Maps that displays ecologically significant locations and compare regions based on environmental parameters.

[Learn More ->](#)

Features

- High-level interactions between map layers to enable map manipulation
- Markers and regions filters for filtering by ecological criteria
- Two modes of data displaying for low and high-performance devices

Technologies

- JAVA
- ANDROID SDK
- MVC-PATTERN
- GOOGLE MAP API

CLIENT

A green IT company



Green Quiz: An App to Broaden Users Eco-Knowledge

The project involved developing a mobile app for conducting interviews, quizzes, and gathering statistics, with seamless integration of social networks for sharing results.

[Learn More ->](#)

Features

- Interviewing and quizzing
- Integration with Facebook, Twitter, and Google+ for sharing quiz results
- Collecting and displaying detailed statistics on completed quizzes and topics
- Support for iPhone/iPad and Android/Android tablets

Technologies

- JAVA
- ANDROID SDK
- C/OBJECTIVE C
- MVC-PATTERN

CLIENT

A green IT company



App For Charging Solutions For Electric Vehicles

The client engaged Elinext to develop a fully-featured iOS-based mobile app to simplify the charging process for the owners of green cars. The project also included a web app for telemetry.

[Learn More ->](#)

Features

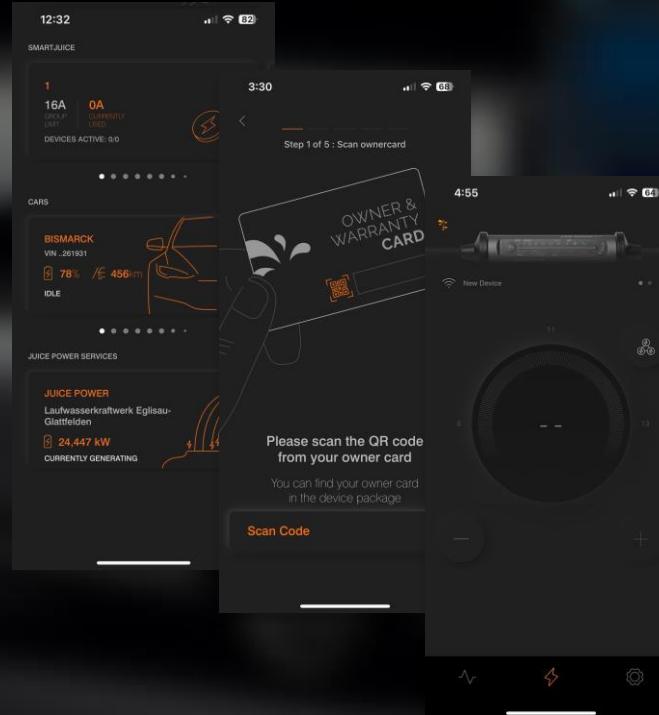
- Device management
- Controls and charge restrictions
- The device's status
- Options to choose a specific current strength
- Total energy and charging duration
- Power and voltage per phase
- Charging history

Technologies

• KOTLIN	• COCOA
• SWIFT	LUMBERJACK
• FOUNDATION	• SNAPKIT
• UIKIT	• RETROFIT

CLIENT

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



Software For Roofing And Solar Paneling Contractors

The Elinext team stepped up to help the client develop a solution that enables solar panel contractors to calculate a project's cost, request materials, quote clients, manage sales, etc. The solution complies with data security and regional architectural requirements..

[Learn More ->](#)

Features

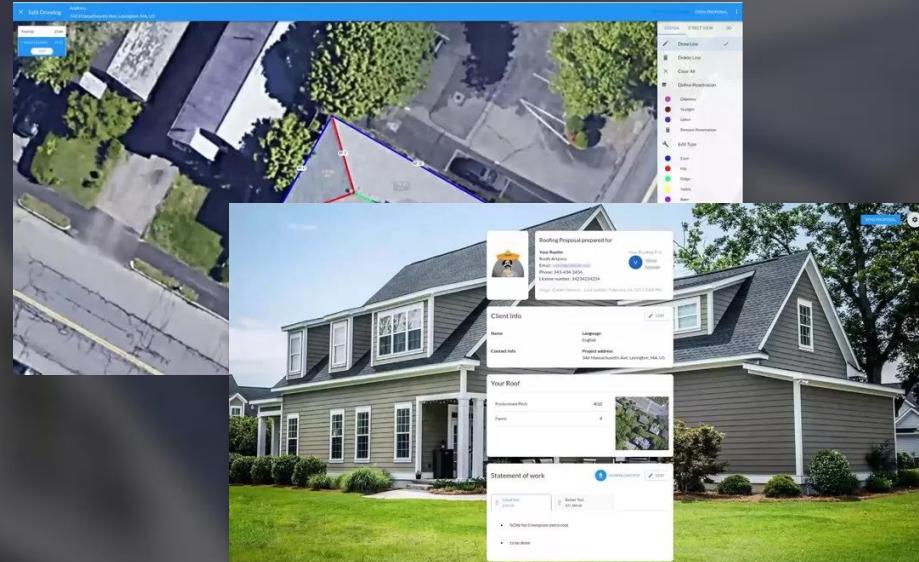
- Size measurement and automated materials estimation
- Catalogs of materials and solar panels
- Site assessment
- Interactive quote creation
- Customer relations management
- Admin panel

Technologies

- NODE.JS
- REACT.JS
- EXPRESS.JS
- MS SQL
- AWS EC2
- TYPESCRIPT
- DOCKER

CLIENT

A provider of software-as-a-service for roofing and solar paneling companies and professionals



ESG Software For Employees

The project is an ESG solution that serves a channel through which employees can systematically signal to their employers how they felt about their workplace.

[Learn More ->](#)

Features

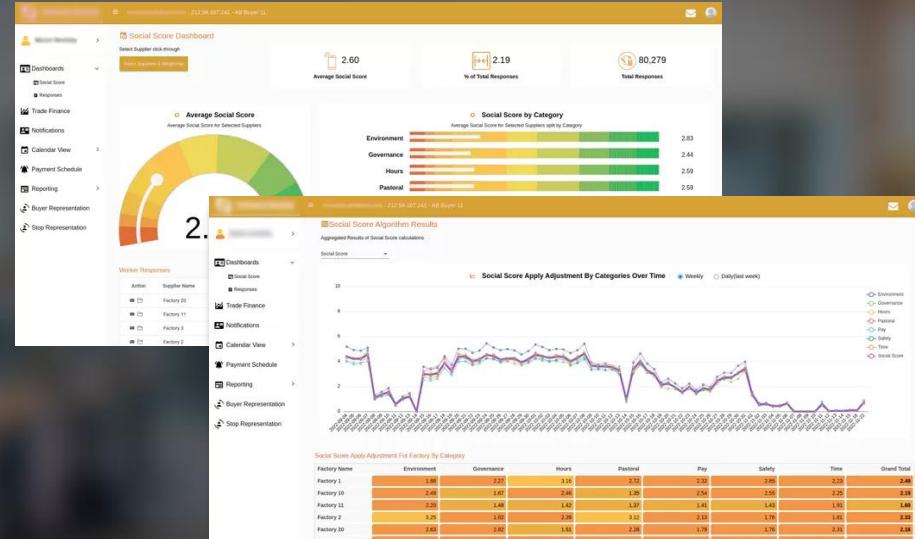
- The employee module with surveys
- The employer module with reports and configurations
- Social score dashboard that tracks various workplace aspects like the environment, governance, work hours, pay, safety and more
- Compliance reward system

Technologies

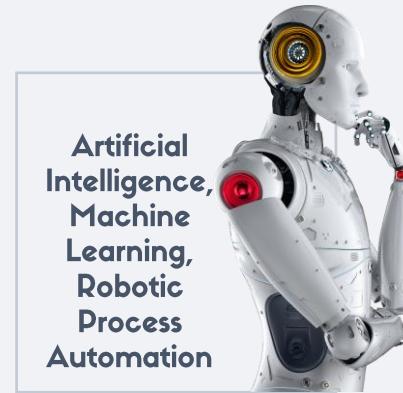
- JAVA
- SPRING
- FLEXMONSTER
- SYNCFUSION
- ANGULAR

CLIENT

A UK-based startup



Solutions We Deliver



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

Quality Delivered by the Team (Agile Model)

Discovery and Design phase

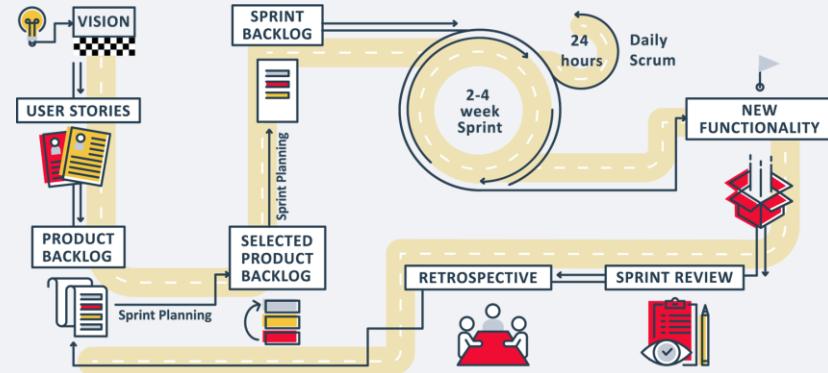
- Team setup
- Plan and prepare
- Refine requirements (Functional and Non-Functional)
- Design
- Architecture
- Infrastructure
- Product backlog

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





Let's set up a powerful collaboration!



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