



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

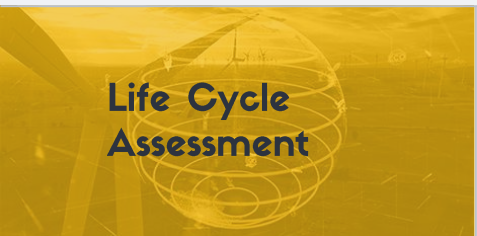


GDPR

Shaping the Future of Green Energy Management

 Energy Management and Control Systems	 Real-time energy consumption tracking	 Energy demand forecasting and load management	 AI-powered predictive maintenance
	 Smart grid solutions	 Energy storage management	
 Carbon Footprint and Sustainability Tracking Solutions	 Real-time emission monitoring	 Energy-based emission calculations	 Automated sustainability report generation
	 Product Carbon Footprint (PCF) analysis	 Decarbonization solutions	
 Renewable Energy Integration and Optimization	 Renewable energy asset monitoring	 Grid synchronization and dynamic load balancing	 AI-powered renewable energy forecasting
	 Hybrid energy systems optimization	 Financial and environmental ROI tracking	

Driving Efficiency in Supply Chain and Waste Reduction

 Green Supply Chain Management	 Sustainable sourcing and procurement	 Dynamic fuel-efficient route optimization	 Integration with GPS and telematics systems
	 Multi-modal transportation planning	 E-waste recycling solutions	
 Waste Reduction and Recycling	 Smart bins and IoT-based waste tracking	 AI-powered automated waste sorting systems	 Waste reduction analytics
	 Comprehensive circular marketplaces	 Sustainability reporting	
 Life Cycle Assessment	 Customization of impact categories	 Environmental impact analysis (ReCIPe, CML, ILCD, etc.)	 Integration with life cycle inventory databases
	 Interactive dashboards and customizable reports	 Detailed production processes modelling	

Pioneering Sustainable Transportation

Electric Vehicle Management Systems

- | | | |
|--|--|---|
| + EV charging management solutions | + Dynamic load balancing and energy management | + Real-time charging station monitoring |
| + Secure payment processing and flexible payment options | + Usage statistics and performance insights | |

Smart Traffic and Urban Mobility Solutions

- | | | |
|--|--|--|
| + Intelligent traffic management systems | + Dynamic parking management and integration with EV charging points | + Electric and hybrid bus fleet management |
| + Ride-sharing and carpooling apps | + Bike and scooter sharing solutions | |

Logistics and Freight Optimization Systems

- | | | |
|---|--|---|
| + Last mile deliveries using electric vehicles, bikes, drones | + IoT-based end-to-end shipment tracking | + Intelligent load and space optimization |
| + Fuel consumption tracking | + 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
- MVC-PATTERN
- ANDROID SDK
- GOOGLE MAP API



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
- C/OBJECTIVE C
- ANDROID SDK
- 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

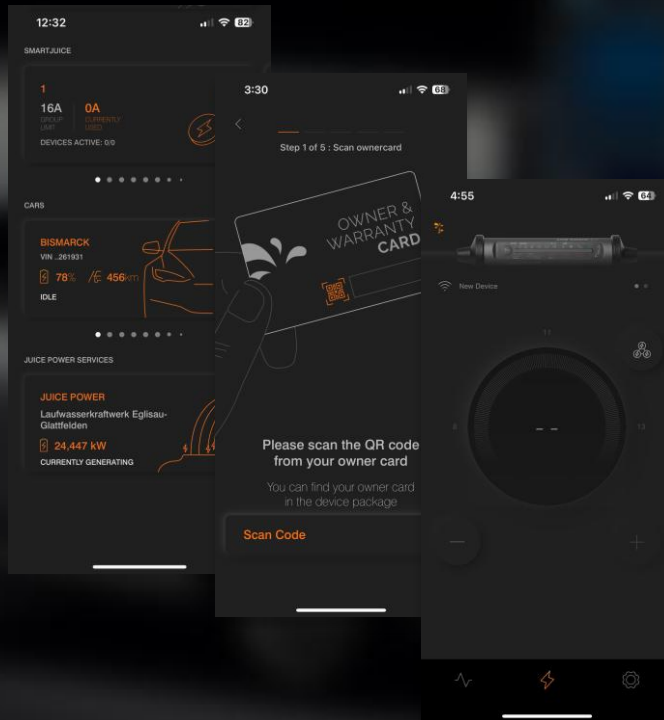
- Device management
- Controls and charge restrictions
- The device's status
- Options to choose a specific current strength
- Total energy and charging duration
- Power and voltage per phase
- Charging history

Technologies

- KOTLIN
- SWIFT
- FOUNDATION
- UIKIT
- COCOA LUMBERJACK
- SNAPKIT
- 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

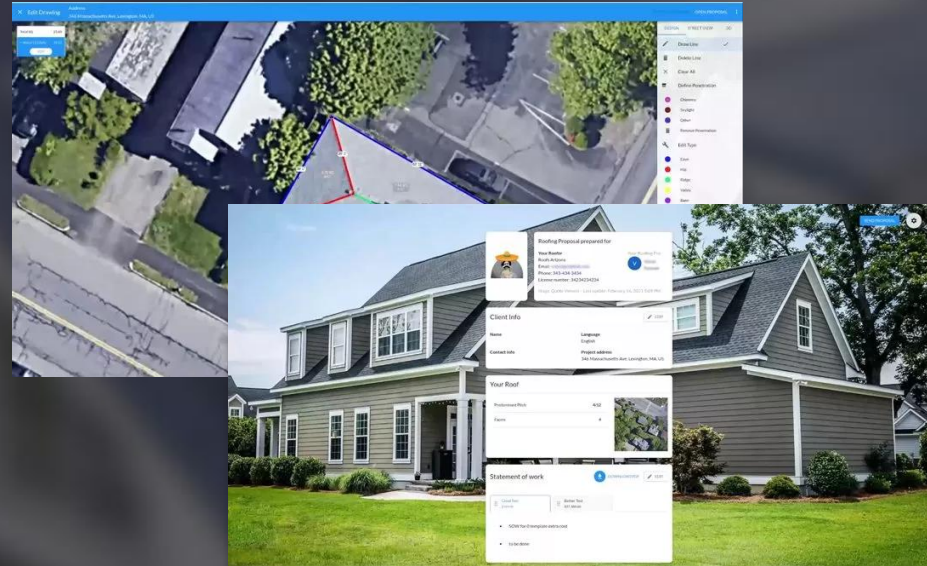
- Size measurement and automated materials estimation
- Catalogs of materials and solar panels
- Site assessment
- Interactive quote creation
- Customer relations management
- Admin panel

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

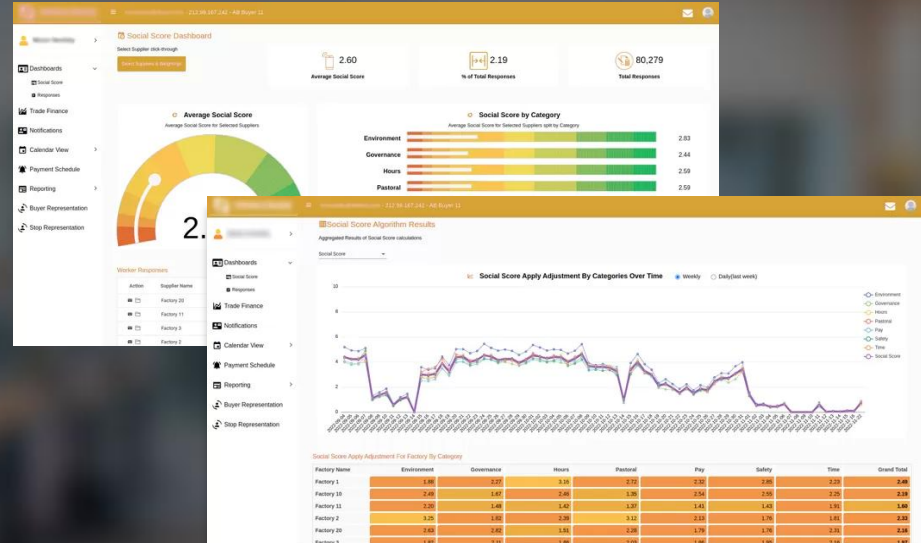
- The employee module with surveys
- The employer module with reports and configurations
- Social score dashboard that tracks various workplace aspects like the environment, governance, work hours, pay, safety and more
- Compliance reward system

Technologies

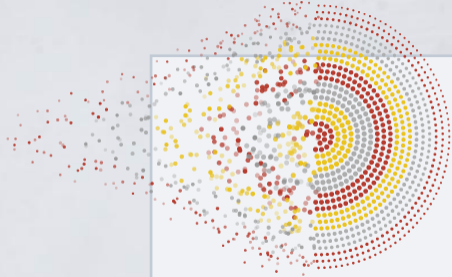
- JAVA
- SPRING
- FLEXMONSTER
- SYNCFUSION
- ANGULAR

CLIENT

A UK-based startup



Solutions We Deliver

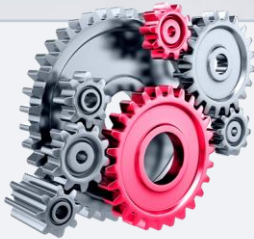


**Data Management
& Big Data**



**Business Intelligence
/ Analytics**

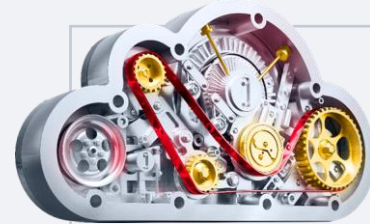
**Artificial
Intelligence,
Machine
Learning,
Robotic
Process
Automation**



Quality Assurance



Internet of Things



Cloud-Solutions

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

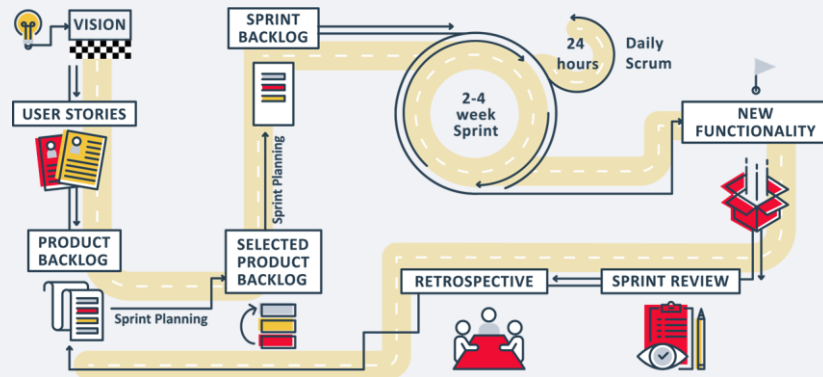
- Team setup
- Plan and prepare
- Refine requirements (Functional and Non-Functional)
- Design
- Architecture
- Infrastructure
- Product backlog

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 fruitful collaboration!



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