



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


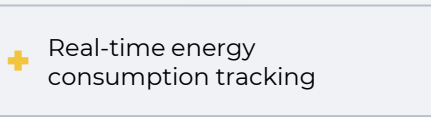
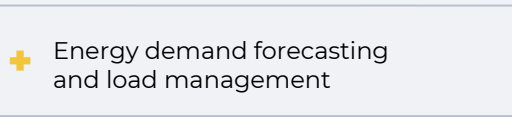
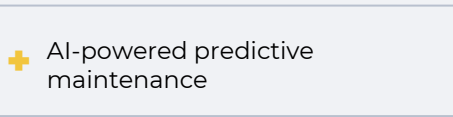
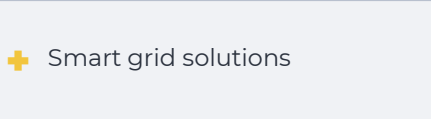
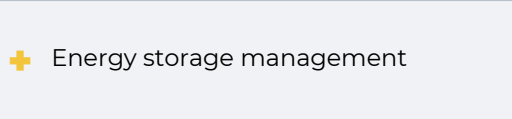

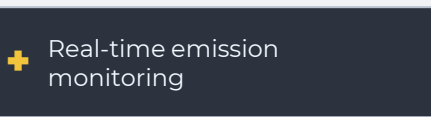
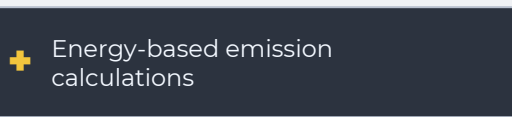
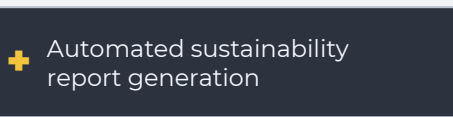

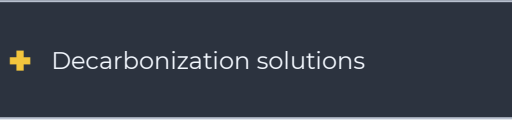

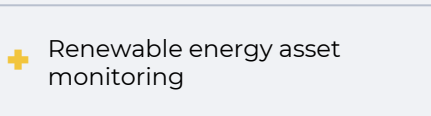
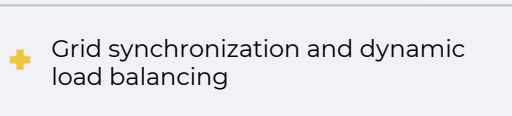
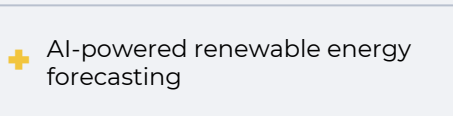
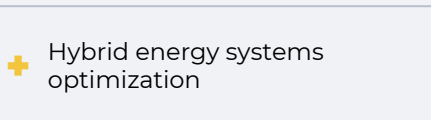
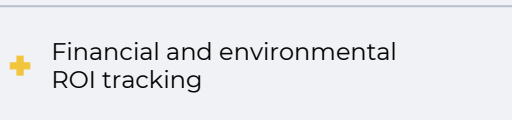


PCI DSS



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



The app interface consists of three main screens:

- Distance Input Screen:** A screen with a 'Distance' input field containing the value '5' and a unit 'km'.
- Transport Selection Screen:** A screen titled 'Transport' with two radio buttons for 'Car' and 'Bicycle'. Below them are input fields for 'Fuel price' (value '3') and 'Fuel consumption' (value '10'), each with a 'Not required' checkbox. A 'Calculate' button is at the bottom.
- Results Table Screen:** A screen with a 'Back' button and a table showing the results of the calculation.

Previous transport	Car
Current transport	Bicycle
Distance, km	5
Previous ticket price	Not required
Current ticket price	Not required
Previous fuel price	3

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

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
- 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

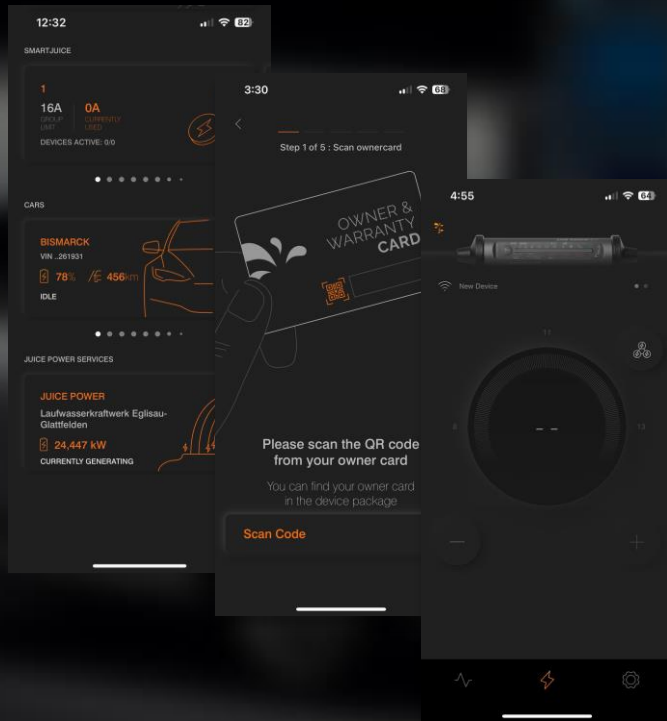
- Device management
- Controls and charge restrictions
- The device's status
- Options to choose a specific current strength
- Total energy and charging duration
- Power and voltage per phase
- Charging history

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

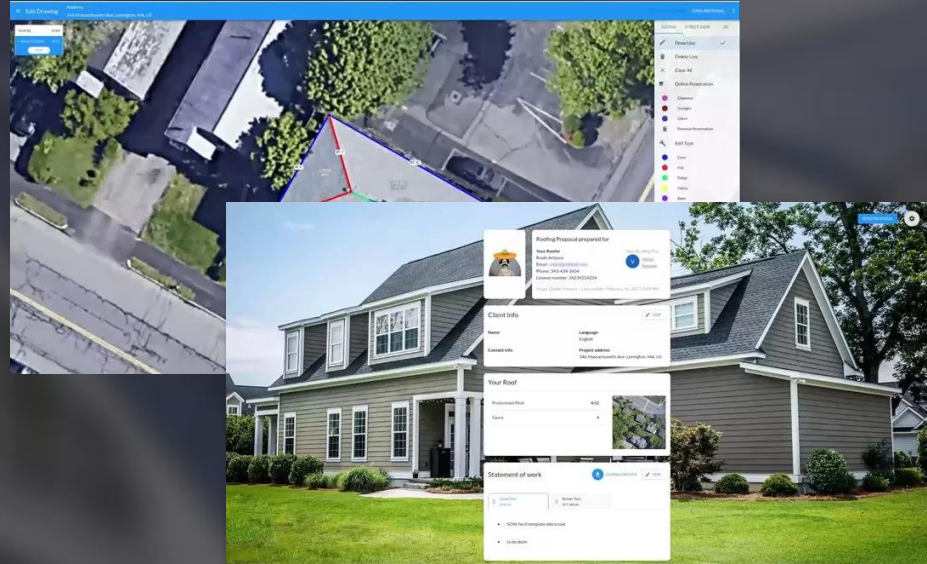
- Size measurement and automated materials estimation
- Catalogs of materials and solar panels
- Site assessment
- Interactive quote creation
- Customer relations management
- Admin panel

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

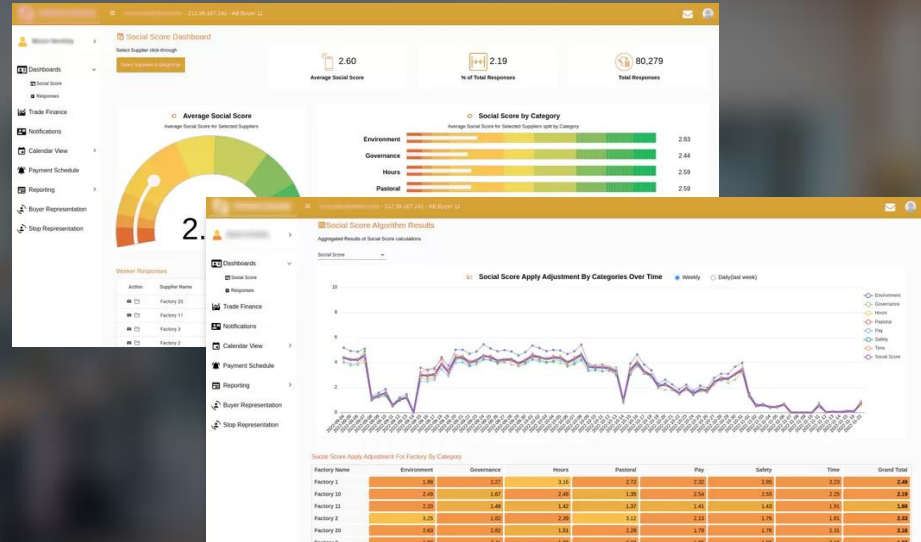
- The employee module with surveys
- The employer module with reports and configurations
- Social score dashboard that tracks various workplace aspects like the environment, governance, work hours, pay, safety and more
- Compliance reward system

Technologies

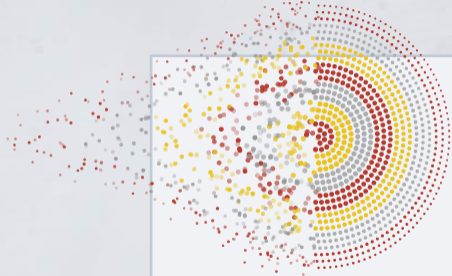
- JAVA
- SPRING
- FLEXMONSTER
- SYNCFUSION
- ANGULAR

CLIENT

A UK-based startup



Solutions We Deliver

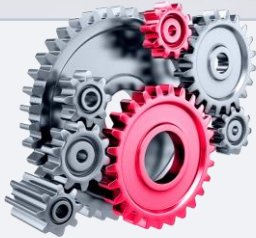


**Data Management
& Big Data**



**Business Intelligence
/ Analytics**

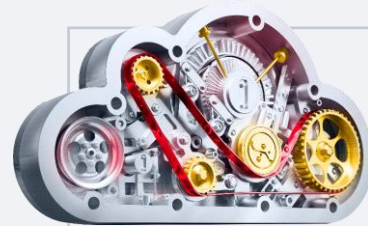
**Artificial
Intelligence,
Machine
Learning,
Robotic
Process
Automation**



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

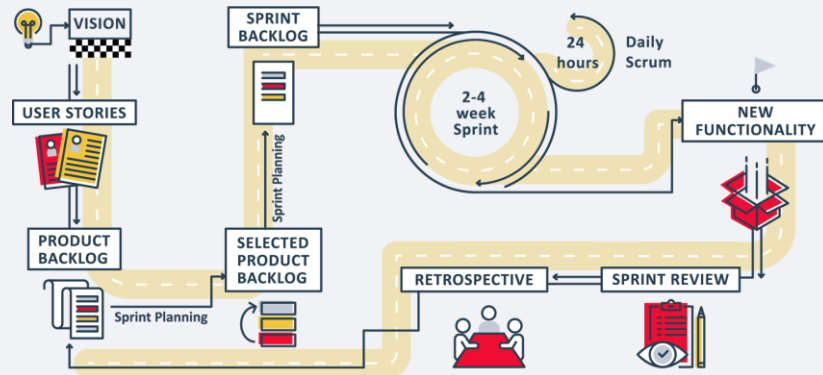
- Team setup
- Plan and prepare
- Refine requirements (Functional and Non-Functional)
- Design
- Architecture
- Infrastructure
- Product backlog

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 powerful collaboration!



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