

SOLAR INVERTERS MONITORING SYSTEM







Remote Controlling and Monitoring of
Solar Inverters

Mastery in
Software
Engineering

FORTECH.



Key Facts

-  Industry: Internet of Things
-  Team Size: 2 People
-  Duration: 8 Years (ongoing)
-  Technologies:
 - .NET, C#, WPF,
 - DevExpress, SoftActivate,
 - InnoSetup, WebForms,
 - JavaScript,
 - iOS, Android
-  Services:
 - Software Development,
 - Software Testing
-  Trends: Industrial Automation

Highlights

- The software powers one of the most innovative and popular photovoltaic inverters worldwide.
- Smooth communication of the Fortech team with members of the client's team in a variety of roles, such as technicians, marketing people and product owners.



Solution

The product is a complete suite of web and mobile applications for the control and monitoring of photovoltaic inverters in large solar energy production plants.

Its functions are, among others, to enable the configuration and control of devices, real-time error monitoring and data reporting (for example, statistics about the yield of the systems).

Connections to the devices rely on proprietary application-layer communication protocols that are based on standard transport-layer protocols such as TCP/IP over Ethernet, UDP over Bluetooth, Serial over USB, Serial over RS485.






Collaboration

Our customer is one of the most innovative producers of photovoltaic inverters worldwide.

The ongoing partnership between our companies in solution development for desktop, mobile and web applications for photovoltaic devices management started years ago and is growing stronger with each passing day.

We ensure the full delivery of the solution, from analysis and design to implementation, software testing and integration of third-party products, in a hybrid Scrum-Waterfall approach and direct contact with technical and business experts from the client's side.

Client Benefits

-  **CONVENIENCE:**
Easy real-time accessibility for business users via the web and mobile applications.
-  **COMPATIBILITY:**
With different firmware versions for devices that offer various features.
-  **DYNAMIC UI:**
That uses the particularities of the detected device to ensure compatibility.





ABOUT FORTECH

Fortech is a top Romanian software development company headquartered in Cluj-Napoca. With a workforce of 800 people, Fortech has been repeatedly recognized by Deloitte, EY, and Forbes for its fast-growing, entrepreneurial journey.

With expertise and a strategic focus across healthcare, financial services, automotive sectors, and more, we cover the end-to-end software lifecycle development to deliver the innovation, scalability, quality and speed our clients need.

Our approach to software engineering combines strong technology and process know-how, Agile delivery methods, and a blend of code quality practices and metrics refined in almost two decades. Since 2003, two hundred clients chose Fortech as their tech partner.

Access our expertise: www.fortech.ro

Copyright 2020 © Fortech. All rights reserved.

This document is the property of and contains information proprietary to Fortech. No part of this document may be reproduced, transmitted, stored in a retrieval system or translated into any human language or computer format, in any form or by any means, without the written permission of Fortech.