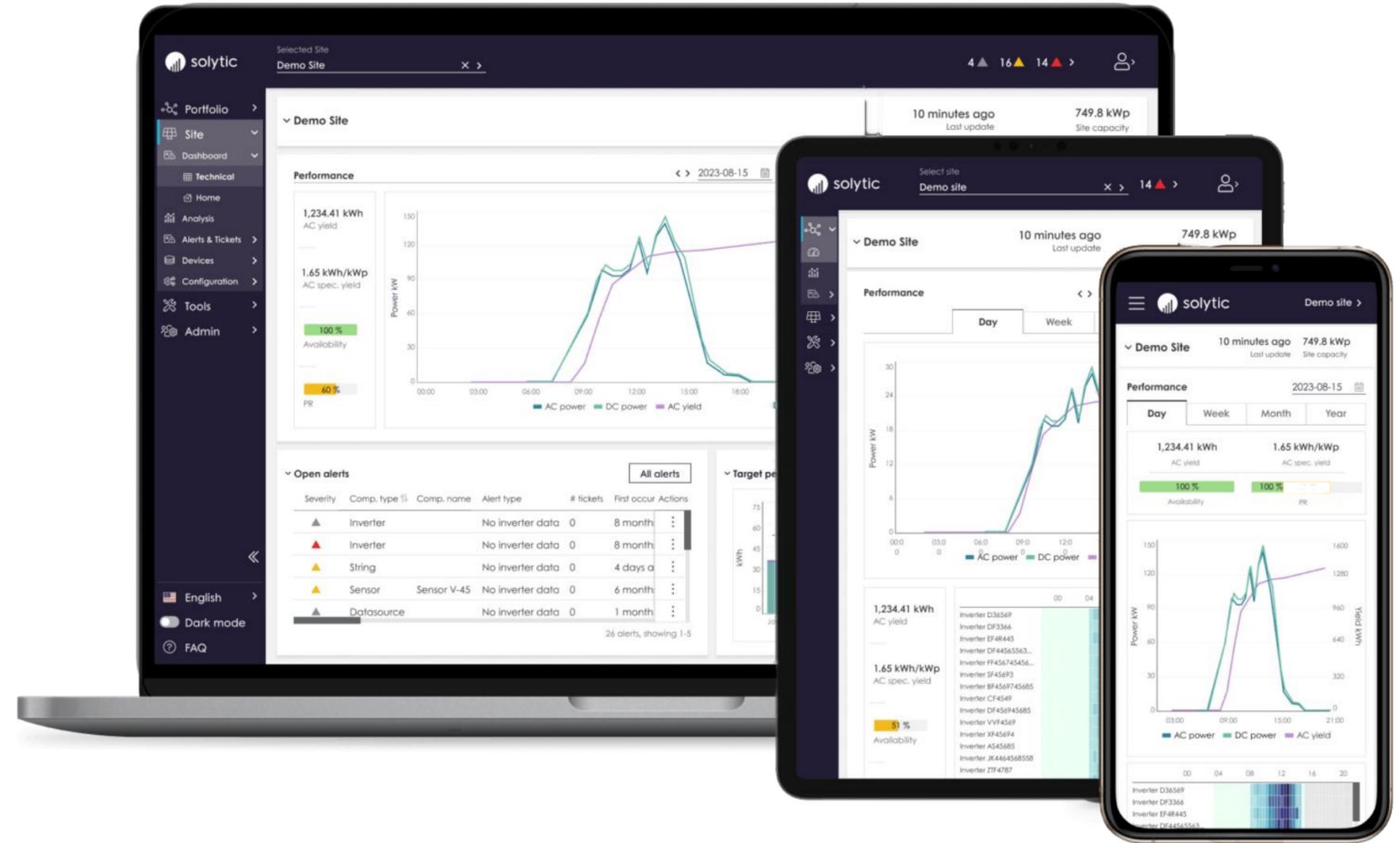




Case study

MONITORING SOFTWARE SOLUTION (SOLYTIC)



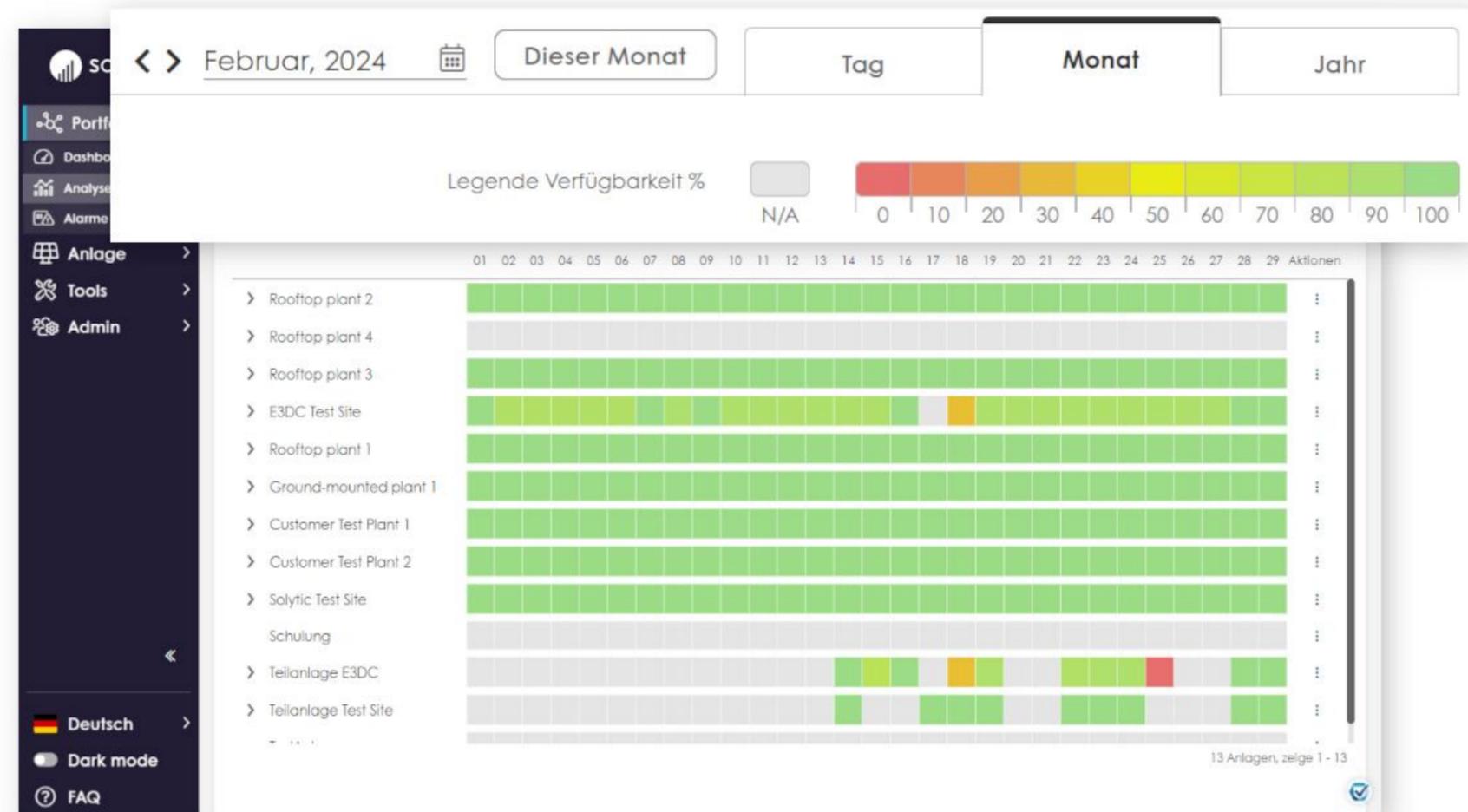
#

#IoT
Other

Client Germany

About The Client

Our client, Solytic, is a German-based company that provides hardware-independent PV (Photovoltaic) monitoring software. They cater primarily to solar panel installation companies that focus on the operations and maintenance phase of the PV lifecycle. While installation is part of their clients' services, the utilization of Solytic's software primarily begins post-installation. The software facilitates efficient management and monitoring of solar PV systems at the inverter or string level, rather than individual panels. For more information, visit [Solytic's website](#).



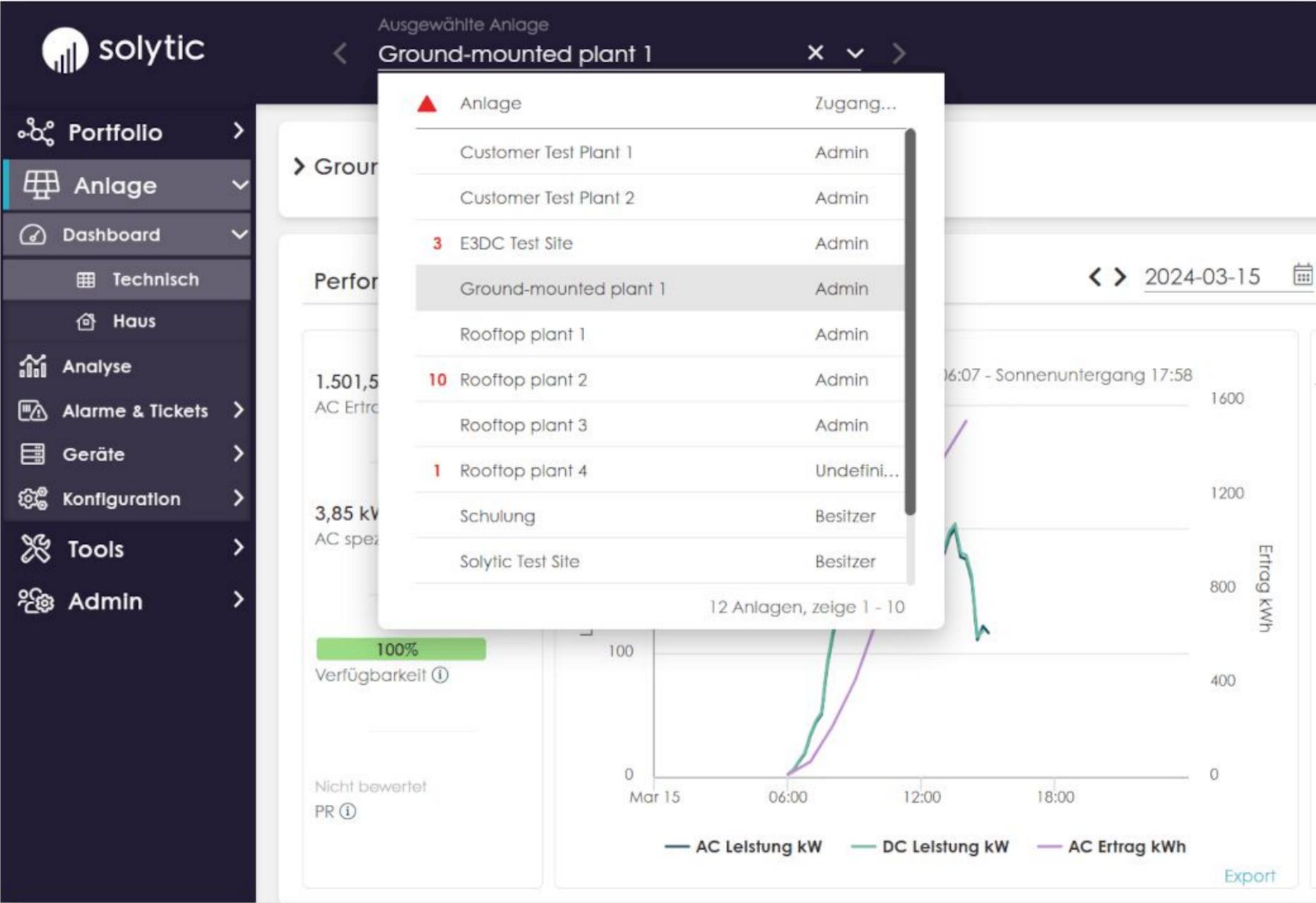
The Challenge

As Solytic's client base grew, the demand for front-end development capacity increased quickly. The product roadmap required extensions, including refactoring of existing code to improve system performance. In addition, enhancements in system usability were planned, involving updates on the UI/UX of the product. Moreover, additional development capacity was required for a platform project in cooperation with a key account partner. Solytic was looking for an experienced front-end engineer to extend and strengthen the engineering team and address these challenges.



The Solution

Clover Dynamics enthusiastically undertook the task. A suitable experience-vetted front-end engineer meeting all client requirements was recruited within three weeks. The product roadmap was adapted to focus on task prioritization aligned with business needs. A well-defined scope of tasks allowed for efficient and timely product release updates, without compromising platform performance. The engineering team followed best practices in code development and cutting-edge technologies to ensure continuous, high-quality operation of the solution.

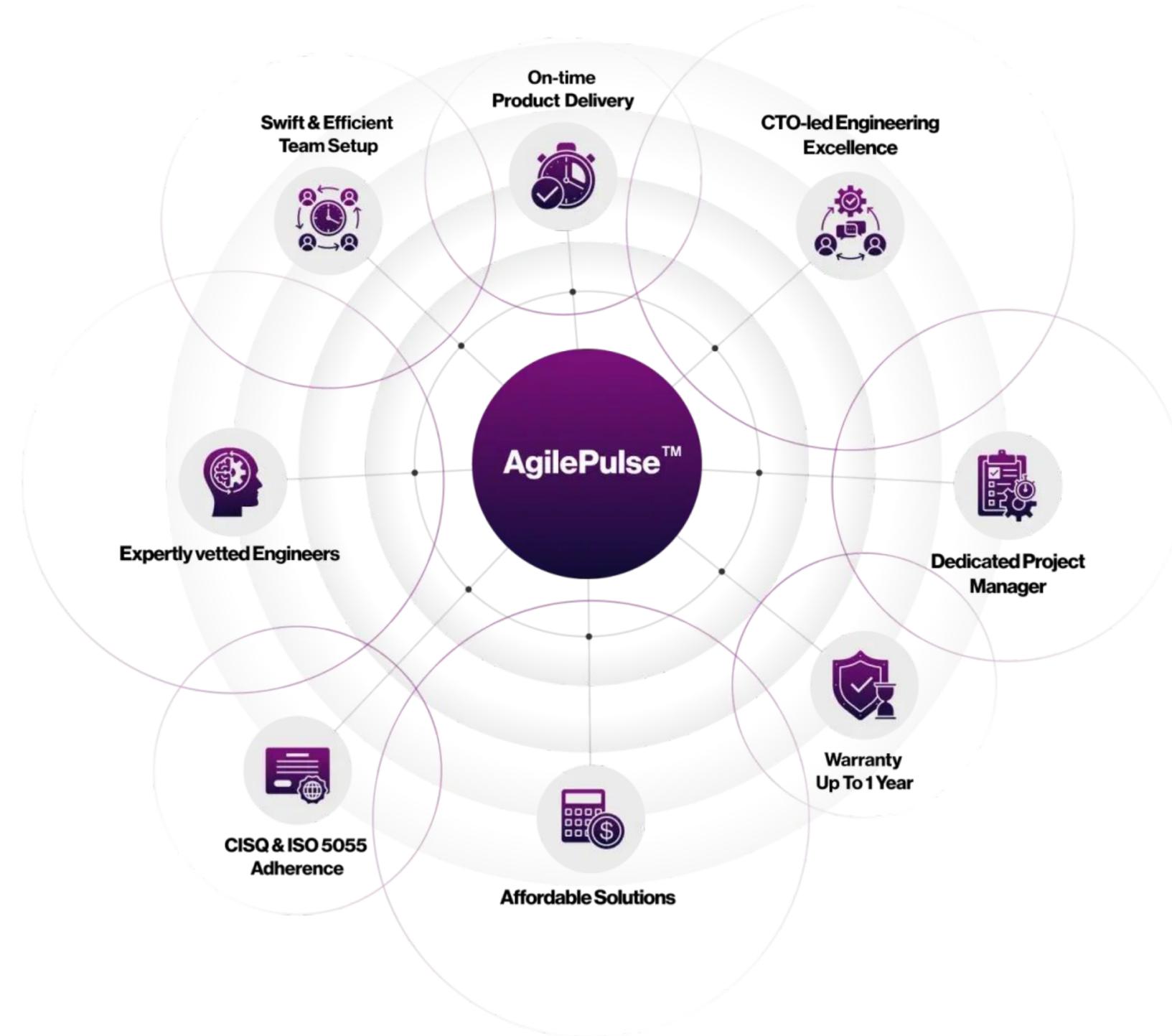


Benefits of Clover Dynamics

At Clover Dynamics, we believe in building long-term relationships with our clients through exceptional customer experience. We provide a full cycle of product development services & Team Extension, that go beyond coding and into the realm of delivering value. Our team of skilled professionals is dedicated to helping our clients achieve their business goals through innovative technology solutions and unparalleled customer experience.

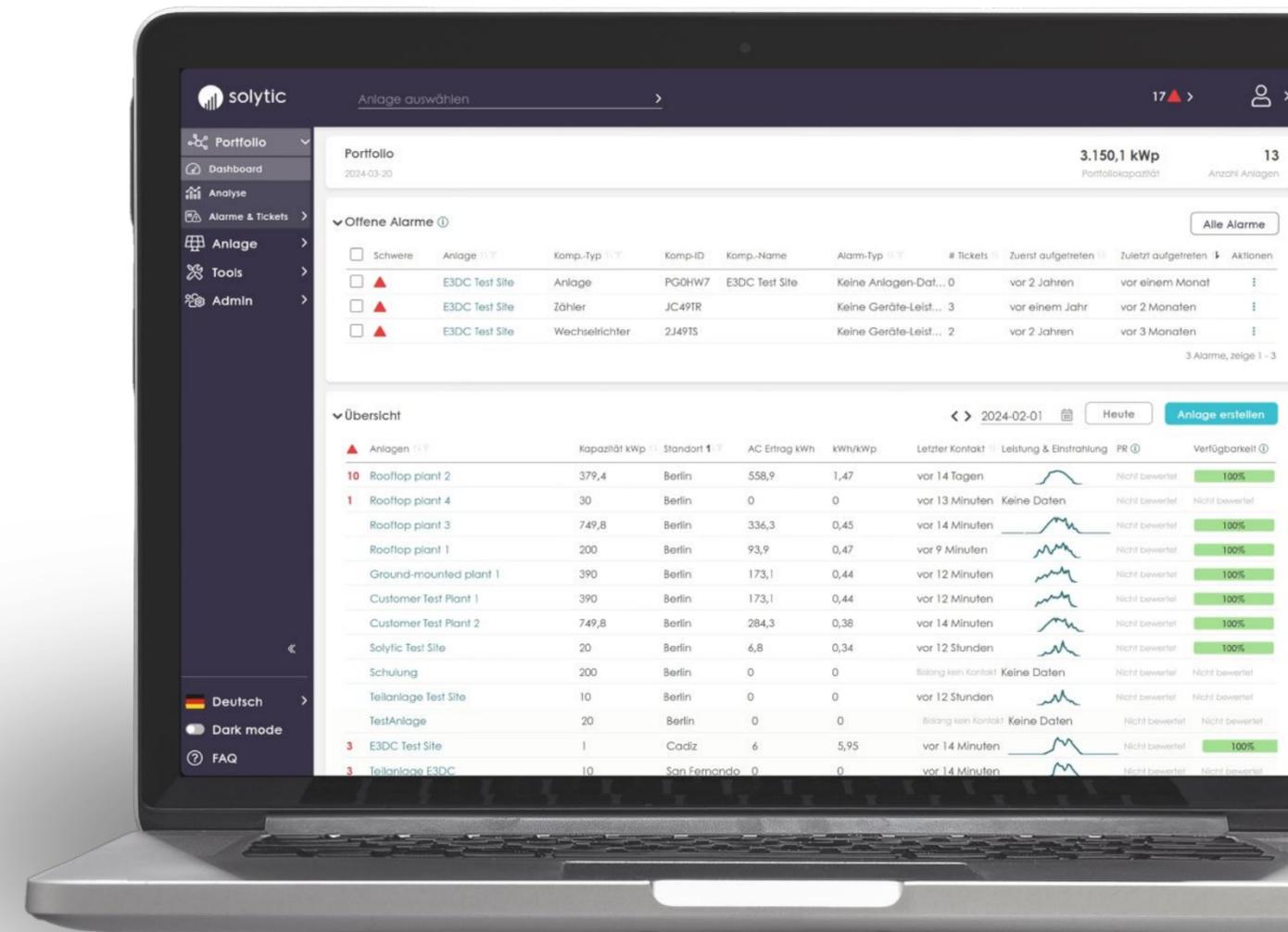
Drive your project to success with CTO-led engineering excellence, ensuring that every aspect of your development is guided by top-tier expertise and precision. Our expertly-vetted engineers are selected through a rigorous process, guaranteeing that your team is composed of subject matter experts dedicated to delivering quality results. Benefit from continuous CTO oversight throughout your project, providing a layer of strategic insight and oversight that sets the standard for excellence.

Let's talk! →



The Features

- **Calendar Update:** Synchronized with schedules; significant UI component refactoring, receiving positive user feedback.
- **Admin Panel:** Enhanced web portal navigation; improved and optimized search functionality for PV-sites based on multiple parameters.
- **Chronological Timeline Construction:** Using the parsed and contextualized data, the extension constructs a clear, interactive chronological timeline that automatically updates and is ready for browsing. Each significant date is accurately placed in the timeline, with the associated context visible for comprehensive understanding.
- **Monitoring Alerts:** Each PV site has specific alerts. Users can select which types of alerts to track within a certain time frame.
- **Admin Page:** Enables creation, editing, and deletion of system users, companies, component groupings, and user permissions.



The Result

- Successful integration of the Clover engineer into Solytic's internal and partner teams. Development of the AgilePulse™ methodology by Clover, facilitating efficient, smooth, and swift integration of engineers into client teams, ensuring uninterrupted, quality, transparent, and comfortable collaboration.
- On-time Features release. The internal team, along with Clover, consistently releases new features, aiding in attracting new and retaining current clients who use the platform daily
- Significant improvement in the UI/UX of the product. According to user feedback, the new UX design elements and the improved ease of use were highly appreciated.

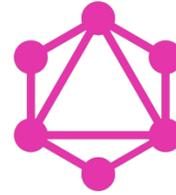
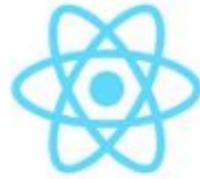
The Deliverables

- 1 Front-end Engineer
- Source Code



Technologies

- Vue.JS
- React.JS
- GraphQL
- C#
- Net Core



Industries

- IIOET
- Other
- Solar power
- Renewable energy

Services

- Team Extension
- Dedicated Team
- Web development

Feel free to visit our [Website](#), [Portfolio](#), [LinkedIn](#) and [Clutch](#), pages.

We at Clover Dynamics are not just committed to delivering exceptional software solutions, we're also dedicated to fostering lasting partnerships. Looking forward for the opportunity to work together and create something truly remarkable



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