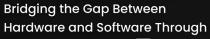
### Webpage Redesign

Redesign for a new service vertical

Following latest trends of 3D figures, AI image generation, and a bold look.



# Embedded Engineering

Services

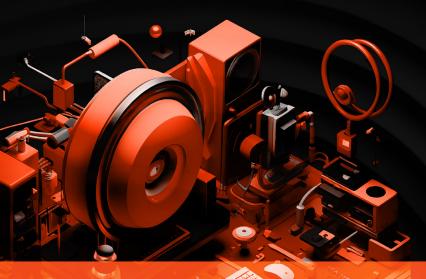
Empowering Innovation Through
Custom Embedded Systems &
Software Solutions for Your Hardware.

Embedded Systems &

### Software Development

In the dynamic landscape of embedded engineering, challenges abound—from the integration of cutting-edge technology to the necessity of ensuring robust, secure, and efficient solutions.

At we excel in navigating these complexities. Our journey in embedded software development, coupled with our strong foundation in IT software development and consulting, positions us uniquely to tackle industry-specific and technology-agnostic challenges.





hurdles in embedded engineering, such as real-time performance demands, power and memory constraints, and the need for seamless hardware-software integration.

We leverage our expertise in diverse technologies and our culture of continuous upskilling to deliver tailored solutions that not only meet but exceed expectations.

**Service Offerings** 



### Embedded Systems Product Development



**Skills and Expertise** 

our team possesses a broad blend of skills and expertise in embedded engineering, enabling us to deliver sophisticated and customized solutions across various domains.

#### Advanced Application Development

We specialize in developing complex applications, utilizing controllers like the ESP32 and Atmel SAMD32. Our expertise in integrating a range of sensors, such as Dallas DS18B, DHT22, and Lora RF signals, allows us to create versatile and reliable monitoring and control systems.

## Sensor and Component Proficiency

Our team is adept in leveraging a wide array of sensors including temperature, humidity, water level, and light sensors, alongside essential electronic components such as resistors, regulators, transistors, and capacitors. This knowledge is crucial for designing systems that are both efficient and durable.

#### Embedded Systems Design Tools

Utilizing top-tier design tools like Eagle and Cadence, we craft precise PCBs and schematic diagrams. This precision is complemented by our proficiency in IDEs such as VS Code and Arduino, enabling us to develop software that is robust and optimized.

#### Communication Protocols and Testing

Our expertise extends to mastering protocols like HTTP and MQTT, ensuring effective communication in our embedded systems. Additionally, our commitment to quality is evidenced by our rigorous approach to automated testing and unit testing, ensuring the reliability and functionality of our solutions.

#### Comprehensive Technology Expertise

Our team's capabilities encompass a wide technological spectrum, including STM32 processors, Jetson Nano for Al applications, Raspberry Pi for versatile computing, and technologies such as UART, USB, WiFi modules, and OTA technology. This diverse expertise enables us to develop systems that are not only innovative but also highly adaptable to various requirements.

**Our Approach** 

#### Navigating Challenges

Embedded Engineering faces distinct challenges, from integrating complex software with diverse hardware to ensuring security in interconnected systems. Our team, fueled by a curious and inquisitive mindset, not only addresses these challenges but turns them into opportunities for growth and innovation. We adhere to industry standards while maintaining our flexibility and pragmatic approach, ensuring our solutions are not just compliant but also ahead of the



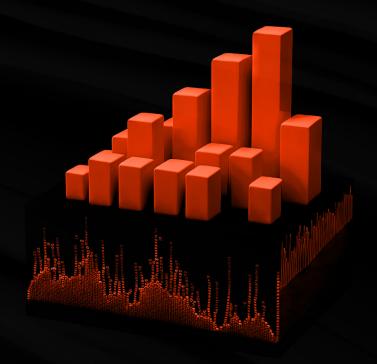


#### Empowering Industries With Tailored Solutions

We apply our embedded engineering expertise across various sectors, industries and specific to use cases. Our commitment to caring about each project ensures solutions that are not just technically sound but also aligned with the unique needs of each industry. At — we are partners in your journey towards innovation and excellence. Our team of mindful nerds is ready to explore, create, and deliver solutions that not only meet today's demands but also pave the way for a smarter future.

#### Proven Track Record

With years of experience and a portfolio of successful projects spanning 2 decades, our expertise is proven in the field.





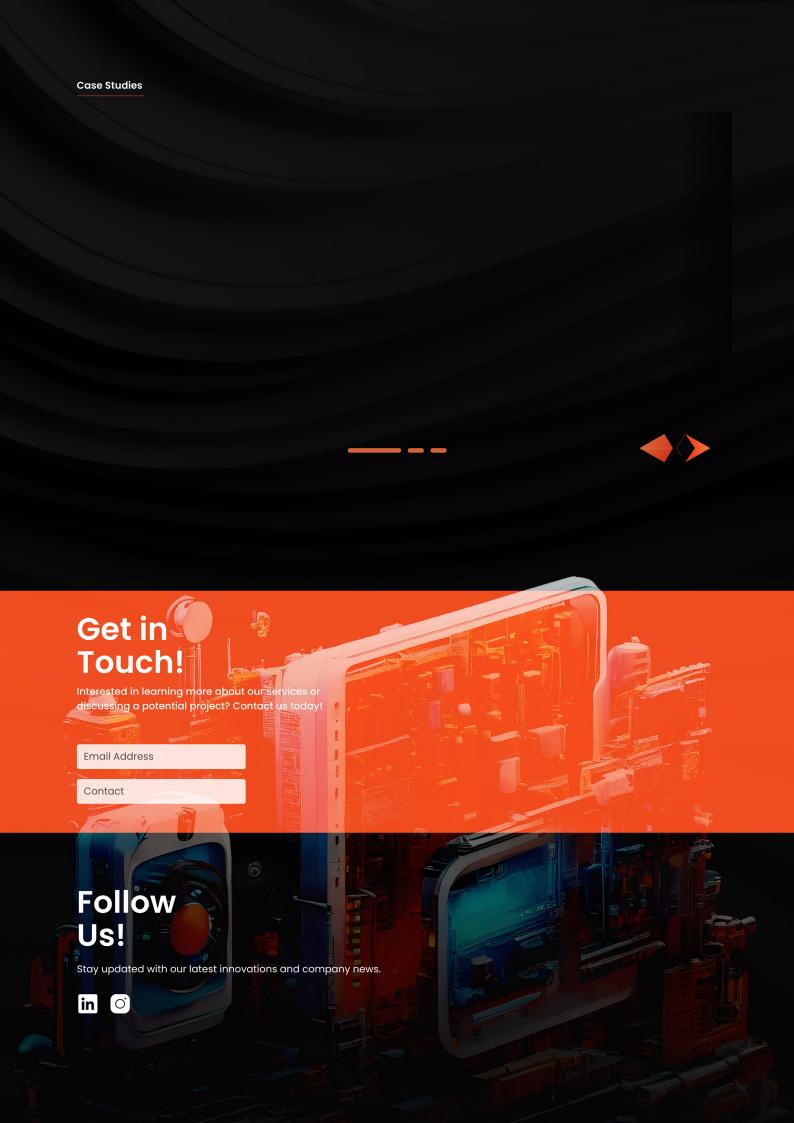
#### Dedicated Support

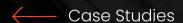
Our team is committed to your success, offering ongoing support and consultation to keep your systems running smoothly.

#### Industry-Leading Innovation

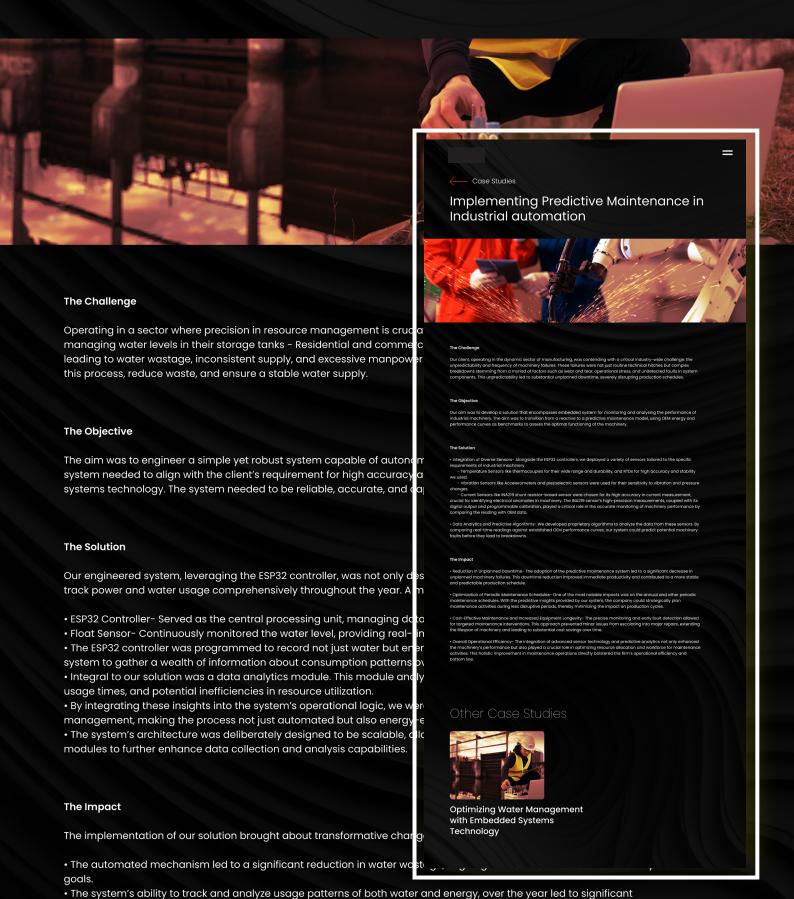
We stay at the forefront of technology, ensuring our solutions are cutting-edge and future-proof.







#### Optimizing Water Management with Embedded Systems Technology



improvements in energy optimization. This intelligent use of data not only ensured efficient water level management but also