



# AI Case Studies

Welcome to a curated showcase of our expertise in AI development. Through these case studies, we provide a detailed exploration of various AI applications, highlighting our innovative solutions, methodologies, and tangible results. A quick journey of intelligence, innovation, and insight.





# European tech excellence with world-wide customers

## Our pool of worldwide clients

We became the tech partner of several realities worldwide, from incubators, accelerators and VCs to enterprises and individual entrepreneurs.





# Our origin and expansion

Born in Italy in 2013, Lasting Dynamics stands on the belief that the path to excellence is paved with quality. Extending our roots from Italy to Spain, United Arab Emirates, and Norway, we've grown into a global family with the focus of crafting world-class software solutions and offering insightful consultancy to redefine the way businesses operate.





# Awards & Achievements

In the past decade, we've been the technological heartbeat for several successful enterprises worldwide, earning us prestigious awards and recognition as the top leading software house from trusted industry experts.







## CASE STUDY 1: The app that reinvents insurance experience

FWD, our esteemed customer, is on a mission to revolutionize the insurance industry. The company's core values are technology, empowering people, enjoying life, and celebrating it.

FWD's goal is to create an engaging app that integrates a range of activities such as games, drawing, music streaming, fitness, and more.

In addition, it provides valuable health insights and personalized suggestions to enhance your well-being, allowing you to make the most of life's moments.

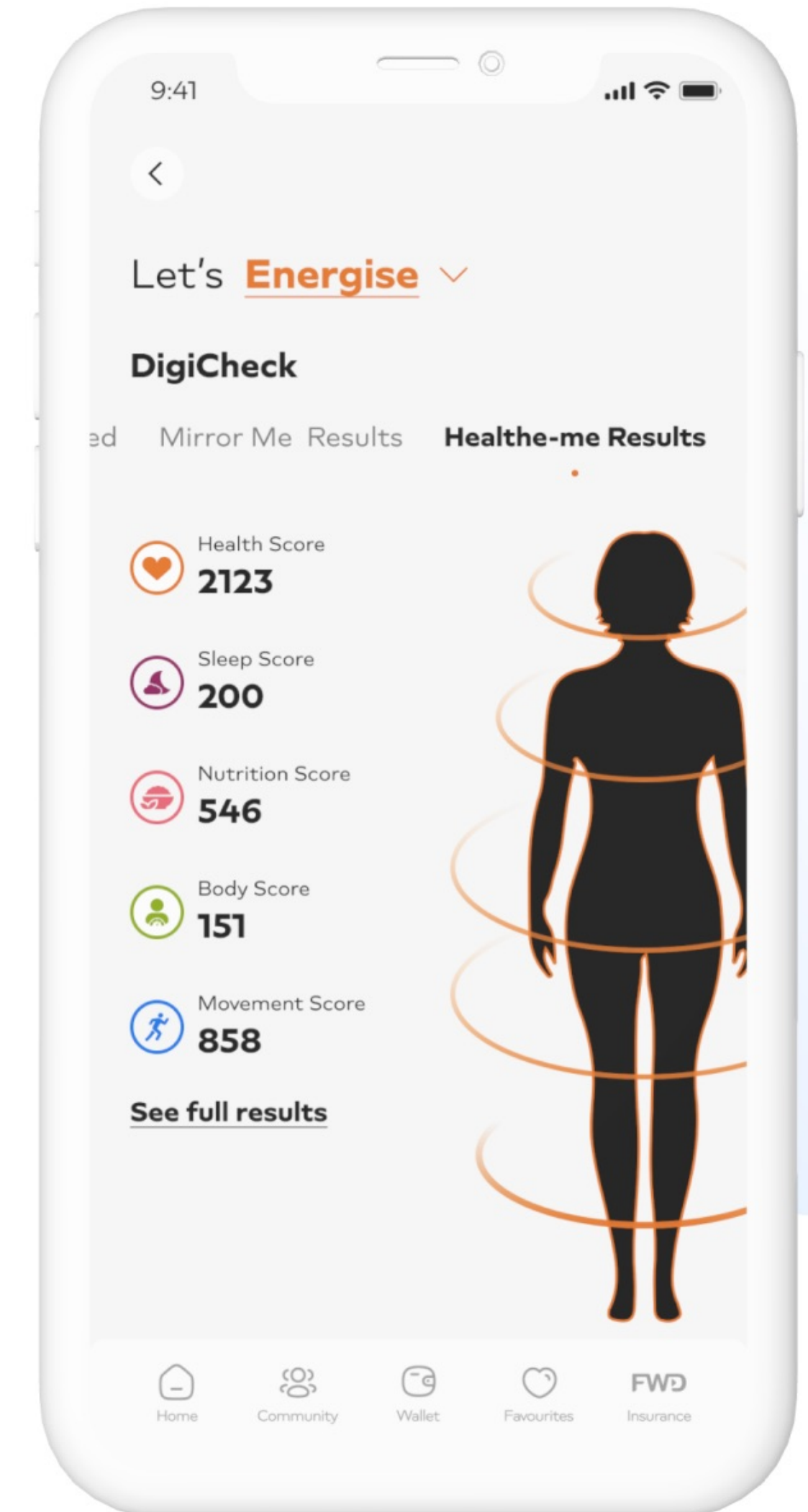
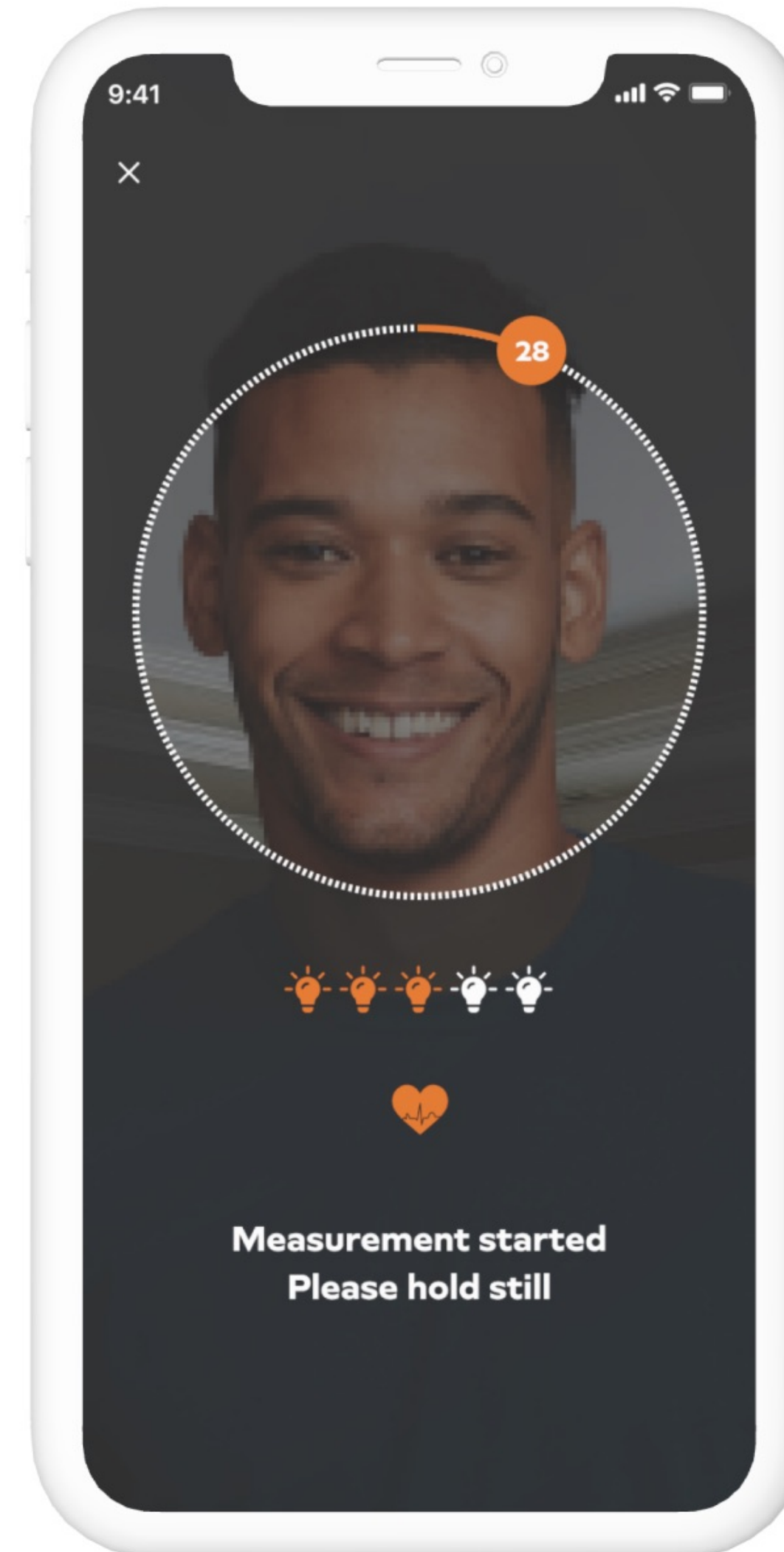


## CASE STUDY 1

# Digi-Check: Advanced AI Health Assessment

At the frontier of technological innovation, Omne introduces the 'Digi Check' feature, illustrating our commitment to cutting-edge health solutions. With the prowess of advanced AI, Digi Check offers users a novel way to gain insights into their health status.

We developed a module that leveraging face recognition and a trained model over health scores of hospital patients. By simply scanning their face, users receive immediate feedback, translated from subtle facial cues, to offer data-driven health status reports. This non-intrusive method underscores our vision of integrating advanced technology with health, ensuring our users remain informed, empowered, and ahead in their health journey.





## CASE STUDY 1

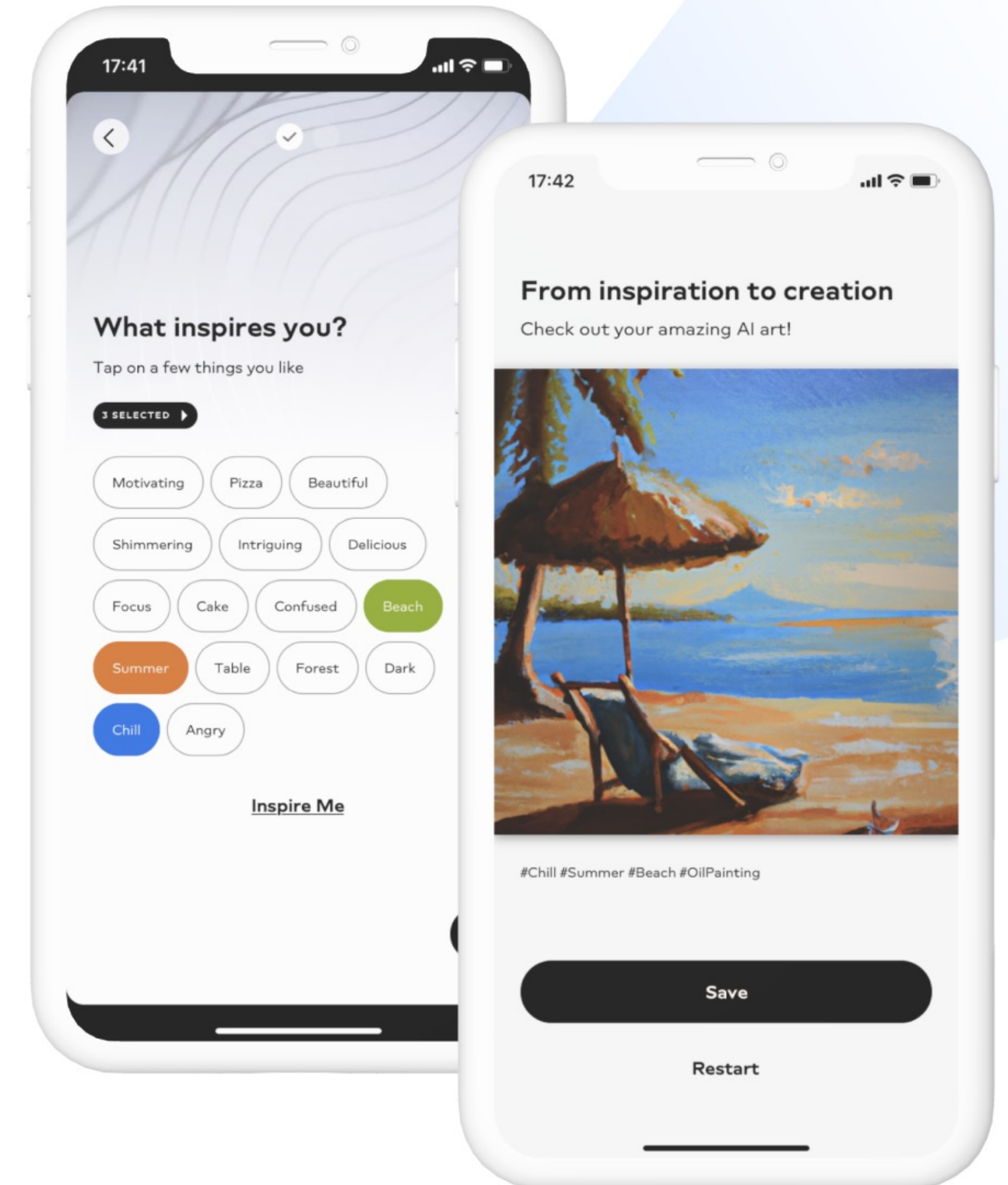
# Unlocking Creativity with Omne's Generative AI

Additionally, we implemented a cutting-edge Generative AI into Omne with the DALL·E 2 API.

This innovative feature enables users to effortlessly generate captivating images by providing prompts by clicking things they like.

It is helpful for people who are searching for thankfulness without any effort and stress with wrong choices.

Imagine your ideas coming to life with just a few words, as our Generative AI translates them into visually stunning creations. It's a seamless and intuitive way to bring your imagination to reality, simplifying the creative process and making it accessible to all to all your friends through social media share functionality.







## CASE STUDY 2: Pioneering Solar Panel QA

YooZeen stands as a testament to the evolution of quality assurance in the energy sector. In the past, their assembly line relied on a workforce of 20 employees tasked with inspecting solar panels for imperfections and directing them to the appropriate sector for resolution.

The human eye, despite its precision, is susceptible to oversights, especially when evaluating the nuanced damages or microscopic flaws on a solar panel.



## CASE STUDY 2

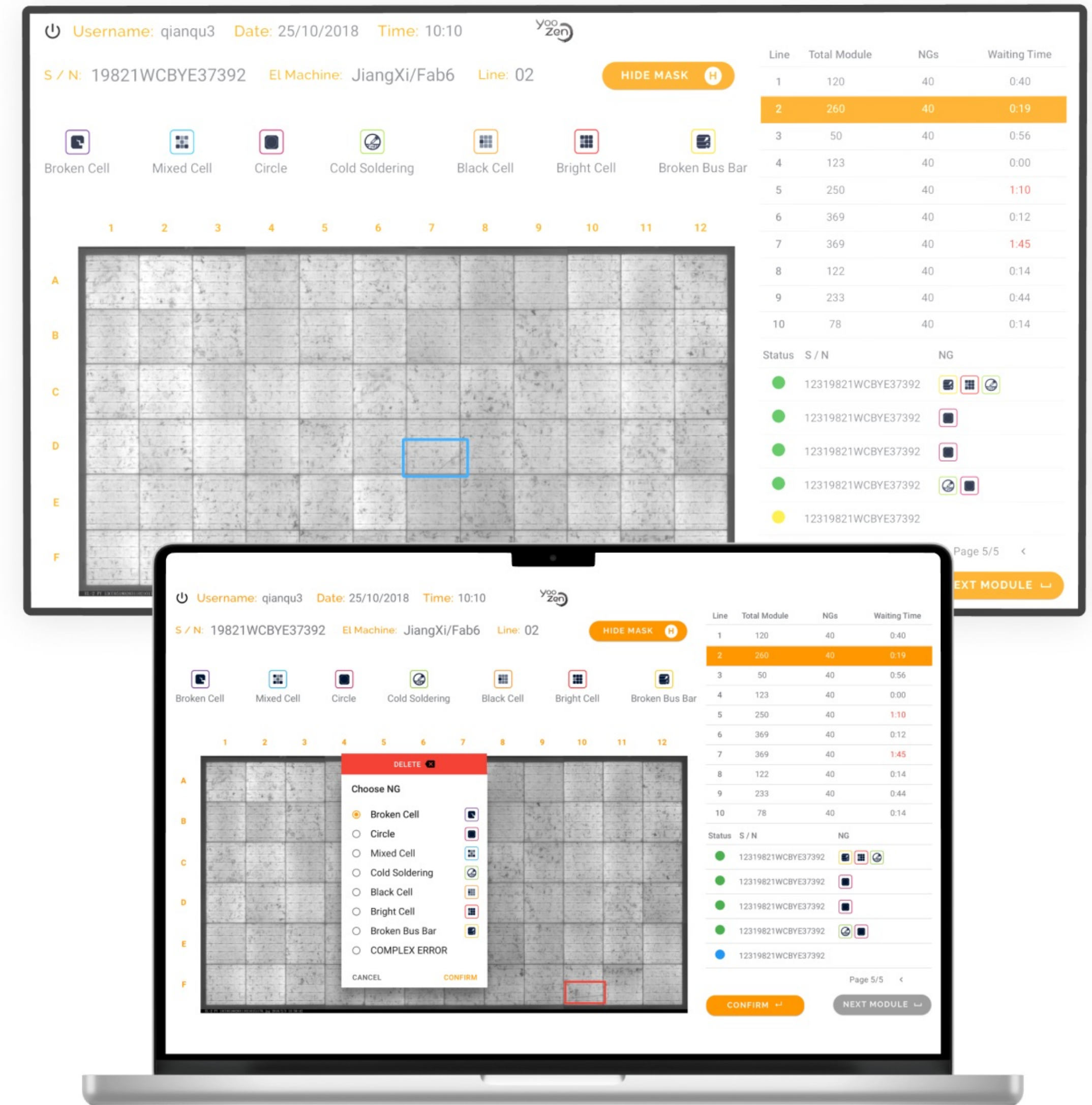
# Revolutionizing Oversight with Advanced AI

In our pursuit of resolving oversight challenges, we've deployed an AI solution that surpasses human operators in both speed and accuracy. With a remarkable detection rate of 99.8% for all potential solar panel imperfections, this AI is a game-changer.

Previously, a team of 20 individuals manned the assembly line, but now, a single operator oversees the AI's monitoring process, confirming or declining its detections.

This transformation has resulted in a tenfold increase in speed and a 2.5-fold improvement in detection accuracy compared to human operators.

This application was delivered to several Chinese factories already in 2017 - our commitment towards our client, brought to life two additional releases in the years that helped Yoozen to keep up with the evolution of the solar panel market and the QA needs.







**Diagnostic**  
B I O C H I P S

## CASE STUDY 3: The first SaaS platform for neuroscientists

Diagnostic Biochips was created with the belief that users are prepared for a comprehensive extracellular recording system that is as advanced as the assays and instruments used in other fields like genetics.

This app enables scientists to work with neural activity recordings, perform tasks such as organizing spikes, analyzing data over time, using correlograms, and accessing other features that were previously exclusive to desktop tools only and required many months to accomplish all data analysis.



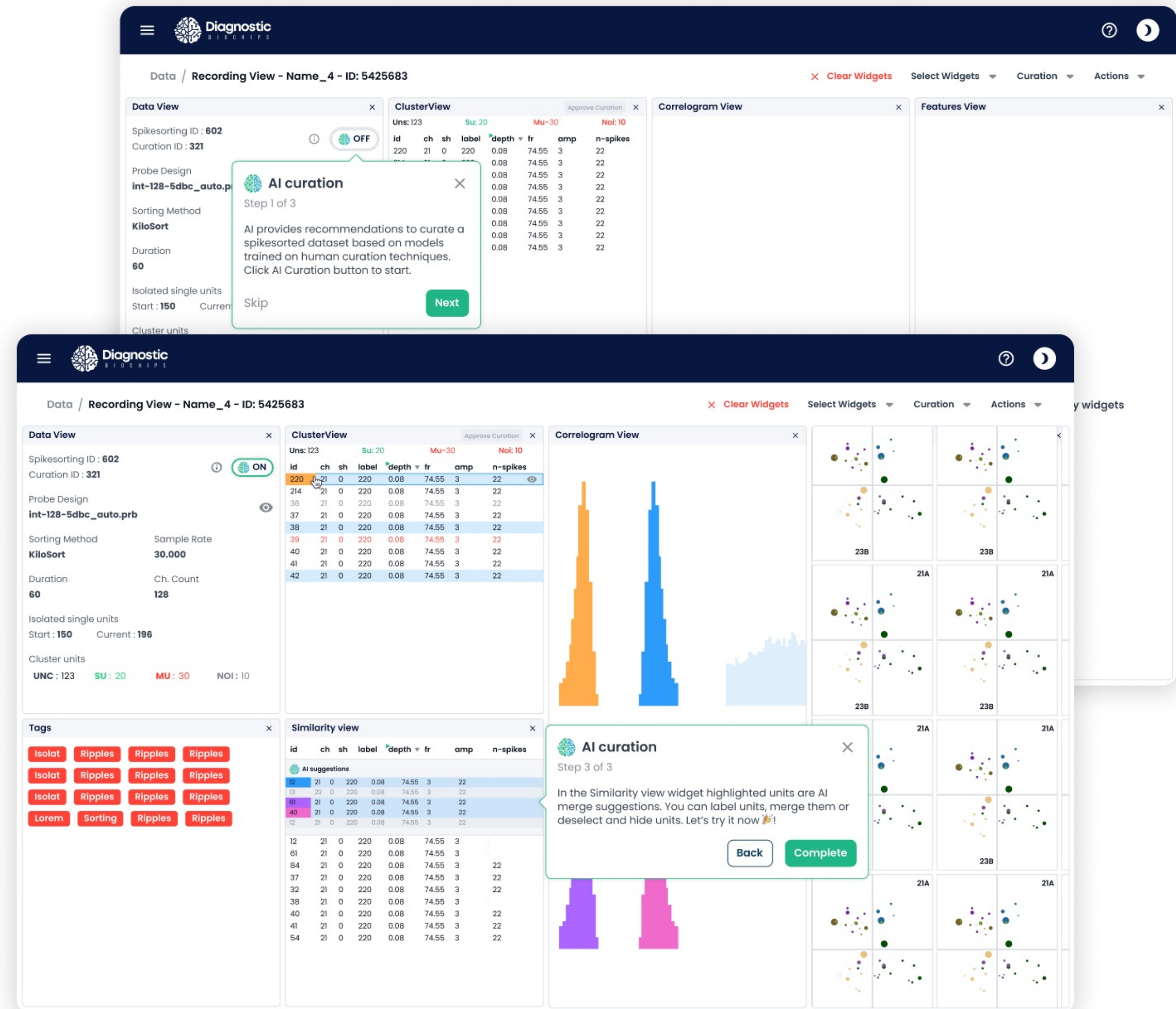
## CASE STUDY 3

# DBCloud: Curation with AI

Discover how Lasting Dynamics is transforming the realm of data curation. Our advanced AI, built on human-curated models, streamlines dataset refinement, and substantially reduces manual intervention. This automation not only trims down time-intensive tasks but also identifies units needing relabeling or merging, amplifying your efficiency.

This is the perfect example of digital transformation, as a process that earlier took roughly 6 months for 2 experts, now takes only 3 weeks of QA after the output generated by the AI in few minutes.

But there's more to it. Our AI's precision is designed to enhance with every training cycle: once it's adapt, the refined curation techniques are made user-friendly, empowering even those unfamiliar with spike sorting.





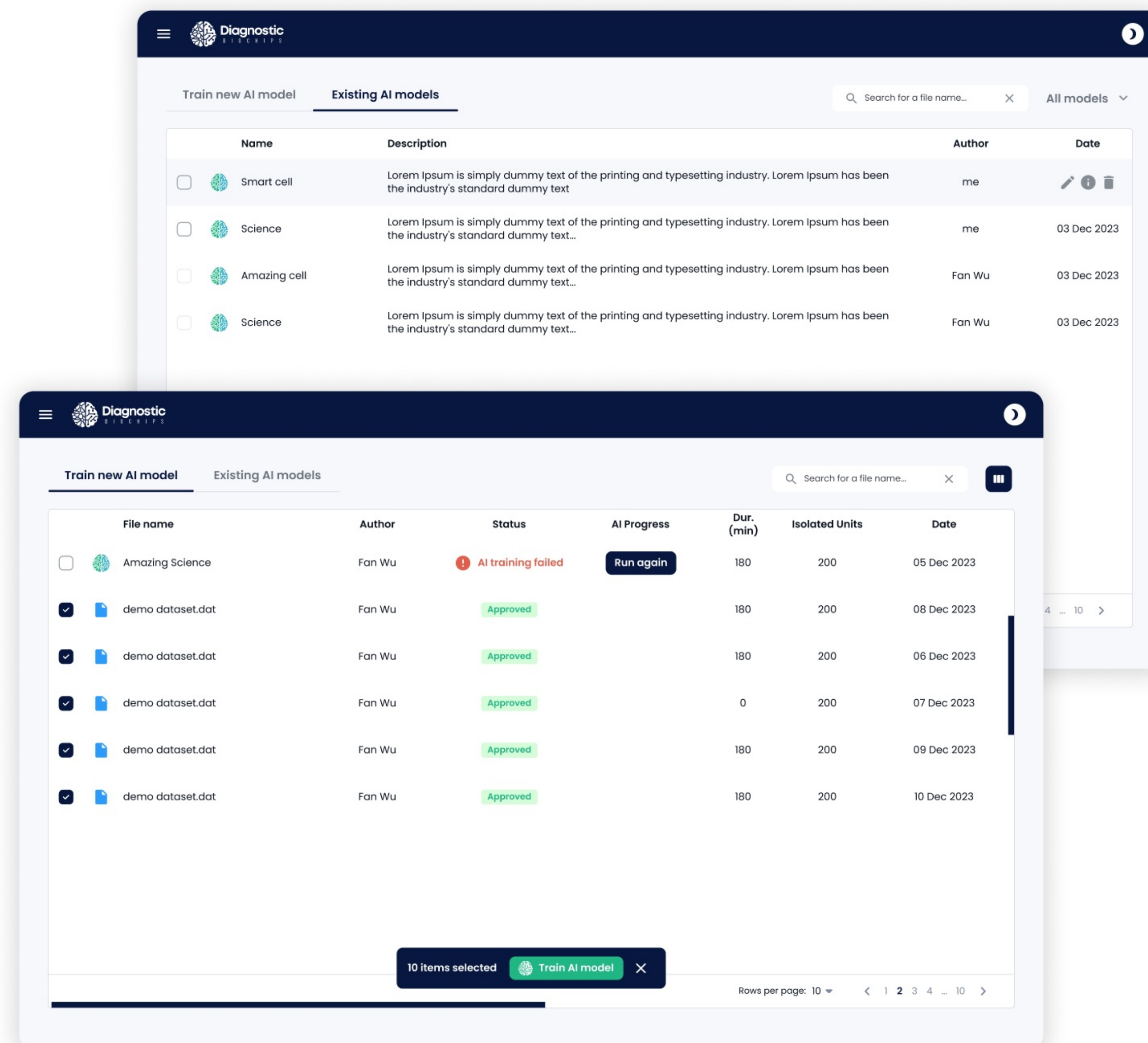
## CASE STUDY 3

# Train a model with your expertise

We empower you with the ability to train your dedicated AI model. Harness your curated data to train AI models, fine-tuning their precision according to your curation data.

This not only grants you the advantages of AI support but also allows you to mold it into a tailored solution, perfectly aligned with your specific requirements. It's a glimpse into the future of data curation, where AI becomes an extension of your software engineering prowess.

DBCloud is one of the most innovative digital transformations that Lasting Dynamics could drive with the support of our valued customer "Diagnostic Biochips"





# Roundrush

## CASE STUDY 4: Our agile workflow management system

Roundrush VR is available on the Oculus VR store and is compatible with all Oculus VR devices. It utilizes the latest virtual reality technology to provide an intuitive and engaging user experience. With its comprehensive task management features, it serves as a complete solution for managing projects in a virtual environment.

Roundrush is not just another workflow management platform. It's an innovative agile methodology that combines the best practices from SCRUM, KANBAN, TDD, XP ingrained with OKRs and Shu-Ha-Ri principles.

Roundrush VR had only a user experience problem, it was hard to write with the VR pad

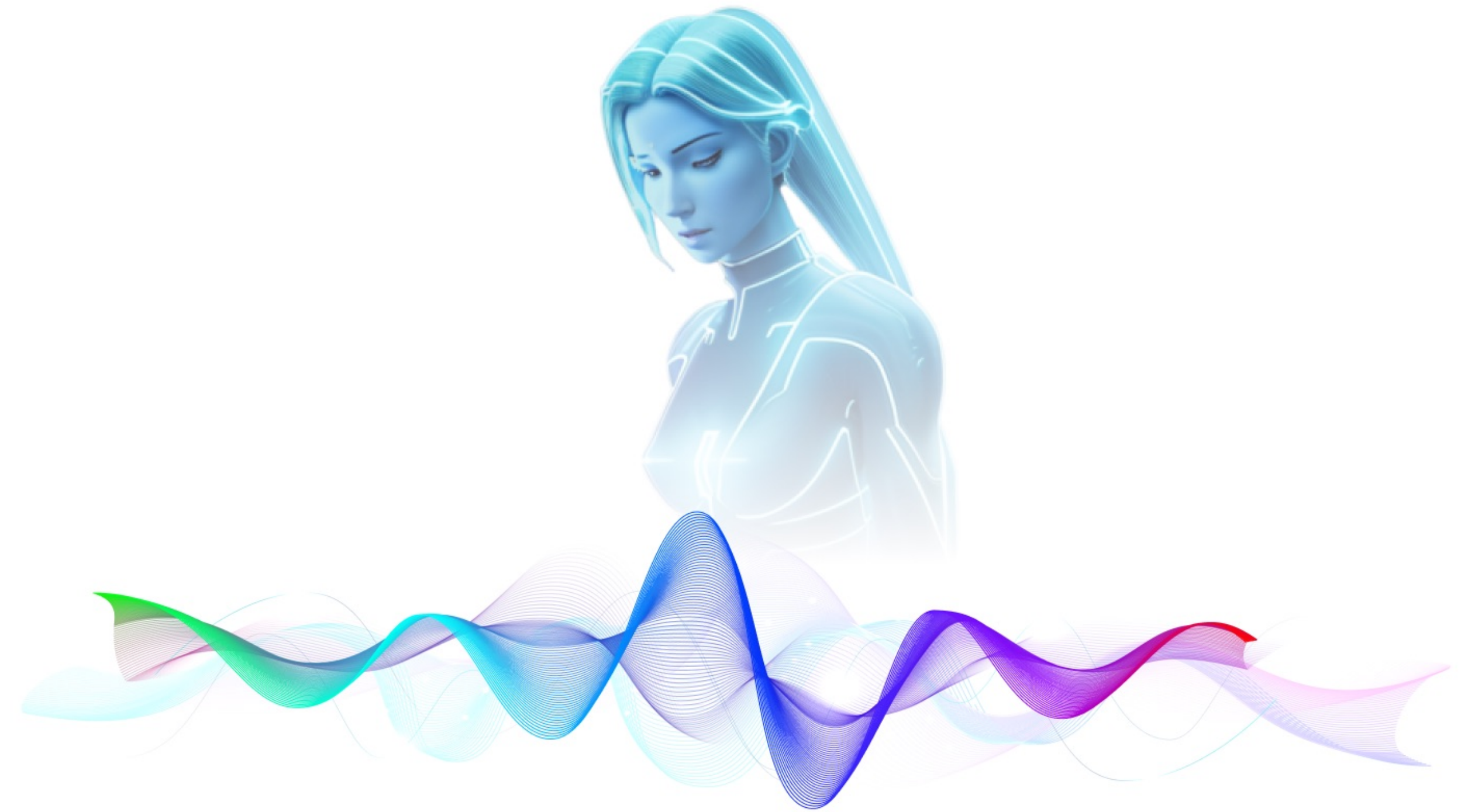


## CASE STUDY 4

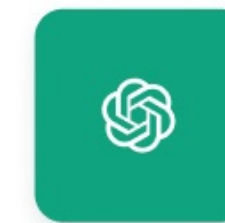
# Personal AI assistant in Roundrush VR experience

We created a personal assistant that combines ChatGPT and voice recognition to solve a very important user experience problem. Powered by AI technology, this breakthrough innovation seamlessly converts spoken words into text with greater accuracy and less effort, eliminating the need for manual input, that before Visual Pro, has been quite of an important limitation for VR/AR/XR based business tools.

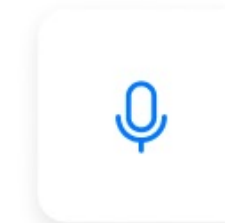
Say goodbye to text input methods and embrace a new level of convenience in VR interactions. With AI algorithms continually learning and adapting, technology is becoming increasingly intelligent, providing a personalized experience.



**Translates your vocal command  
into a prompt for ChatGPT**

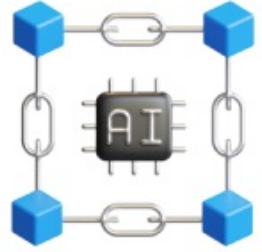


Chat GPT

Voice  
Recognition



# AI Team Capabilities



## Natural Language Processing

We are an artificial intelligence development company that can help transform your user experience by driving NLP-related custom AI solutions with capabilities like real-time speech recognition and conversation AI.



## Deep Learning

As a dedicated AI software development company, we are capable of leveraging the multi-layered neural networks to design custom AI solutions that can replicate and surpass the operations of a human brain.



## Computer Vision and OCR

We are specialized in developing AI solutions that accurately recognize and interpret visual information. Our expertise resolves around biometric authentication, video monitoring and analysis that guarantees reliable and efficient security solutions.



## Robotic Process Automation

Our expert team is capable of offering Robotic Process Automation solutions that can help you increase your overall business efficiency, reduce errors, increase agility as well as improve employee productivity.



## Machine Learning

Our team applies its extensive knowledge in supervised, unsupervised, and reinforcement machine learning to develop intelligent systems that require minimal human intervention yet make optimal decisions.



## Neural Networks

Neural Networks are computer systems of interconnected nodes inspired by the human brain. Our AI developers can help your team create neural networks and use deep learning techniques to improve performance.



# Thank you

Contact us to receive a full  
development proposal

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