



Andrew Thompson

Design Portfolio



Andrew Thompson

Designer

I am a **Designer** with experience in **industrial and UX design** combining creative problem-solving with technical precision.

With experience in product development, rapid prototyping, user interface design, and web development, I've had significant roles in projects ranging from multi-million-pound engineering solutions to NHS clinical system interfaces.

Passionate about designing functional, aesthetically refined, and user-focused products, I thrive on turning complex challenges into innovative, viable solutions. Applying this to both physical and digital design.

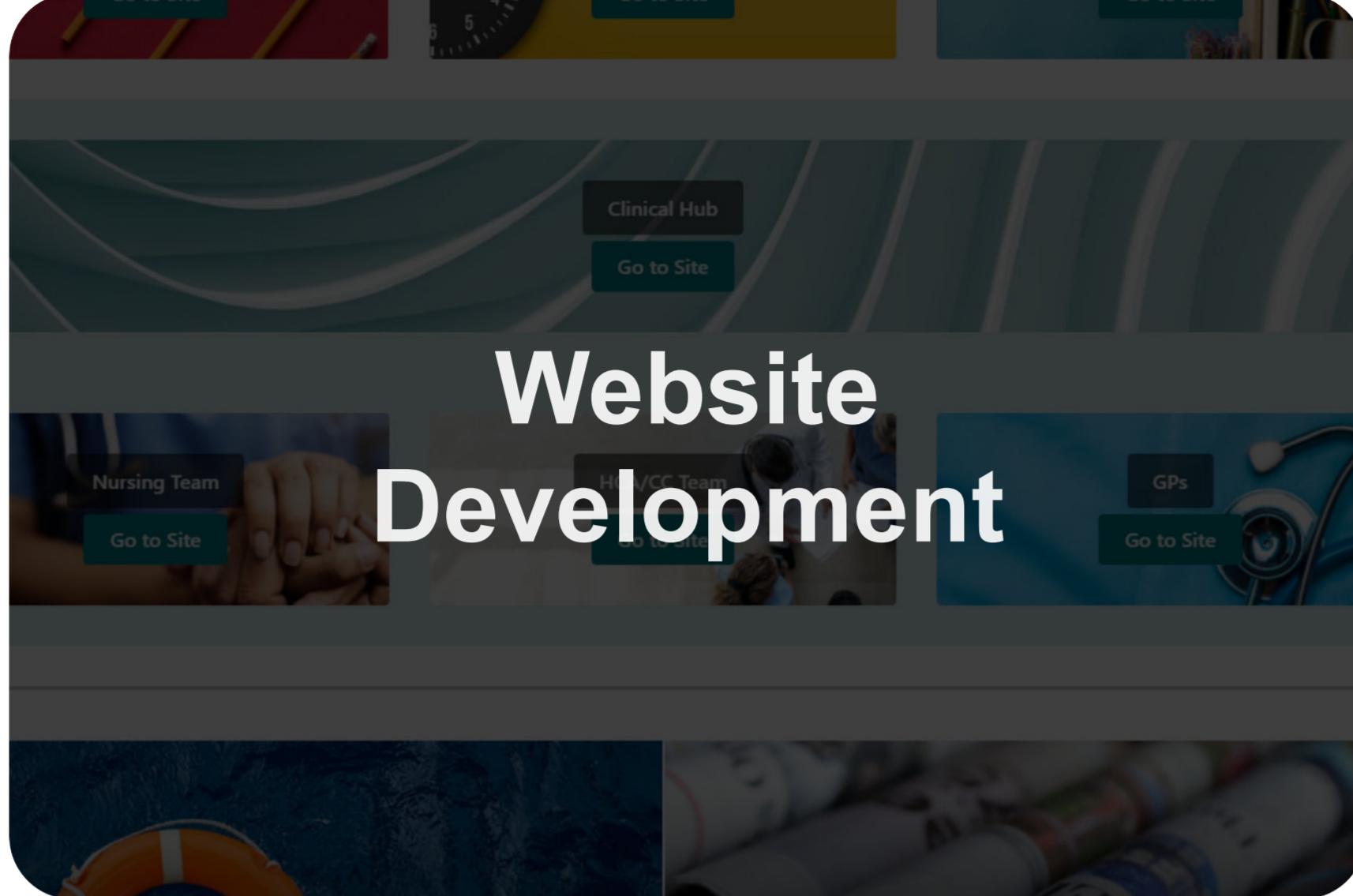
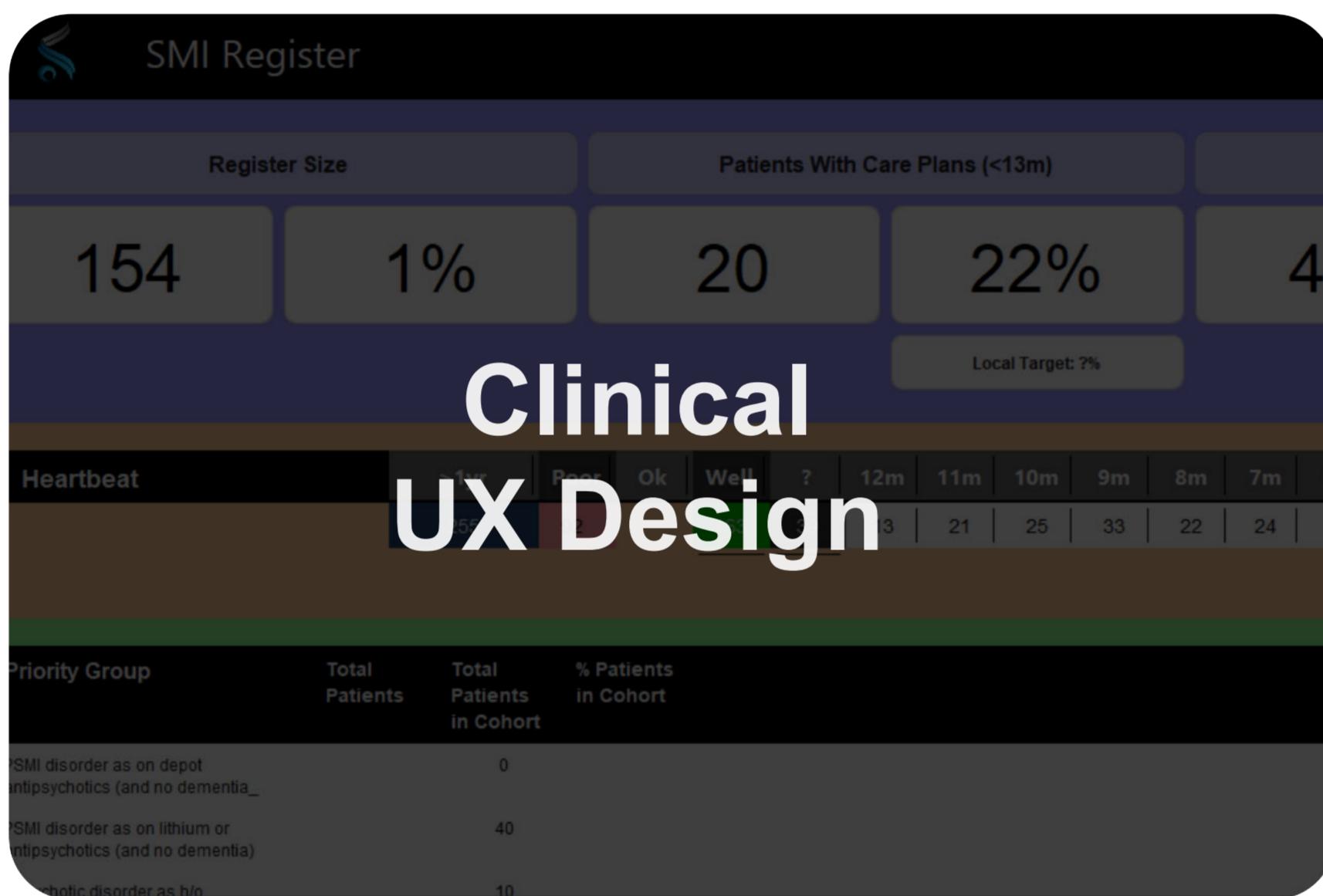


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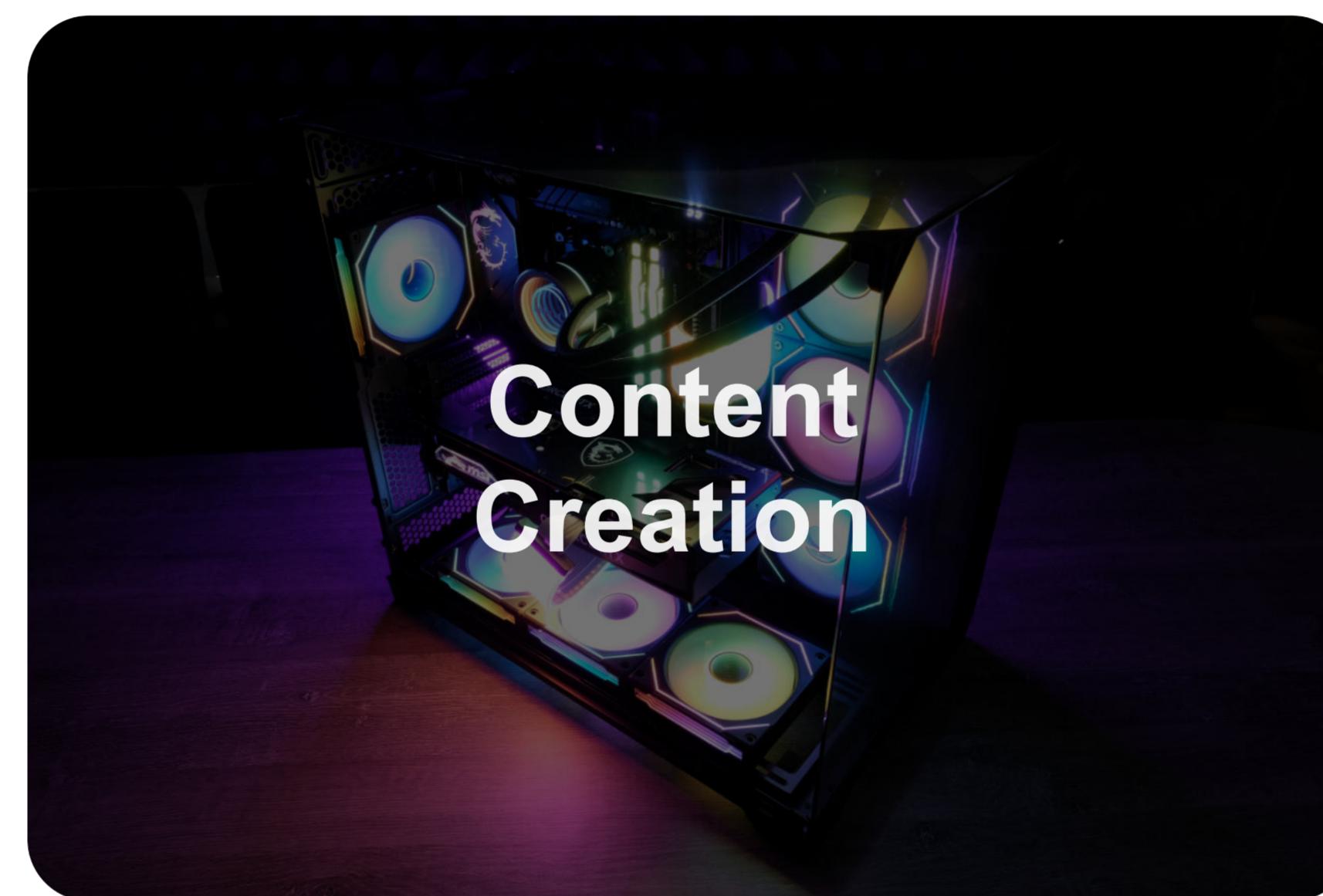


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Web & UX



Marketing Content



Content & Product



Software Skills



- Realistic rendering of 3D CAD models
- Lighting and material setup for photorealistic visuals
- High-fidelity renderings for marketing and product visuals
- Lighting and material setups tailored to brand identity
- Animations for product launches and promotional reels
- Consistent rendering styles for catalogues and e-commerce



- 3D part and assembly modelling
- Parametric design and configuration management
- Technical drawing creation with tolerances and callouts
- Motion analysis and simulation tools
- Surface modelling for complex geometries
- File preparation for 3D printing and CNC manufacturing



- Parametric and solid modelling for complex product forms
- Generative Design
- Sculpt environment for ergonomic and aesthetic surface generation
- Assembly creation with joint simulation and motion analysis
- Cloud collaboration tools for version control and client feedback

3D Modelling & Animation



- High-quality photo retouching and image manipulation
- Compositing for campaigns and branded visuals
- Mockups for packaging, merchandise, and digital assets
- Social media asset creation across varying formats and resolutions
- Layer management and masking for non-destructive workflows
- Texture and lighting effects for visual depth



- Logo design and scalable vector artwork
- Brand iconography and custom type treatments
- Infographic creation for print and digital use
- Pattern design and geometric layout construction
- Precise use of grids, alignment tools, and path editing
- Export-ready assets for web, mobile, and print applications



- Multi-page layout design for brochures and brand guidelines
- Typographic hierarchy and grid systems for clean layouts
- Master page setups for consistent structure
- Interactive PDFs for digital distribution (links, forms, embedded media)
- Pre-flight checks and packaging for print production

Graphics & Layout



- Editing brand videos, reels, and promotional content
- Colour grading for brand consistency across video outputs
- Sound design and music syncing for polished final cuts
- Output optimisation for social, web, and vertical video formats
- Export optimisation for web, social, and broadcast



- DaVinci Resolve Video Editor
- Colour correction to match brand palettes and tones
 - Scene transitions and professional title overlays
 - Audio mastering and cleanup for voiceovers and content narration
 - Visual consistency across multi-camera or cross-platform projects



- Professional audio recording, editing and sound design for podcasts and content creation
- Accompanying hardware skills for recording equipment setup and configuration
- Audio cleanup
- Music production
- Live performance

Content Creation



Web & UX

Intranet Website Development

I was contracted to create an Intranet Hub for news, file sharing and events for the practices and for each team using sharepoint.

I was responsible for carrying over and updating existing branding, whilst creating a site with a modern feel.

This site provided a single place where clinicians and management can track tasks, events, news, and documents.

Summary

- Created a new surgery intranet site based in SharePoint including branding and graphics
- Built news, events, and document management functionality to improve practice efficiency

The image shows a collage of screenshots from the Steel City Intranet website, demonstrating its various features:

- Steel City Intranet Homepage:** Features the "STEEL CITY GENERAL PRACTICE" logo and navigation links for "Team Pages", "South Yorkshire ICB", "Conversations", "Documents", "HR Documents", "Site contents", "Edit", "Private group", and "Following".
- Clinical Teams:** Shows a grid of team logos: "Nursing Team", "HCA/CC Team", and "GPs".
- Clinical Task List:** A list of tasks assigned to "THOMAS, Andrew (UPPERTHORPE MEDICAL CENTRE)" with status "In Progress".
- Clinical Team Upcoming Events:** A calendar showing events for "Month 01" on "Tuesday 12:00 AM - 1:00 PM".
- SC - Clinical:** A document library listing files like "Clinical Guidelines", "Clinical Meetings", "MRSA Alerts", etc.
- Steel City Calendar:** A calendar showing "No events for the day" for March 13, 2025.
- SMT Task List:** A task list for the "SMT" team.
- SMT Upcoming Events:** A calendar showing events for "Month 01" on "Tuesday 12:00 AM - 1:00 PM".
- SMT Documents:** A document library.
- Practice Calendar:** A calendar showing "No events for the day" for March 13, 2025.

The image shows a collage of screenshots from the Steel City Intranet website, demonstrating its news and document management features:

- Telephone Numbers:** A page featuring a vintage telephone and two buttons: "Internal Numbers" and "External Numbers", each with a "Go To List" button.
- News:** A page featuring a large image of a newspaper and a "News" section.
- GP Bulletin:** A page titled "GP Bulletin 10/03/25" containing text and a "Clinical Information" link.



Power Platform

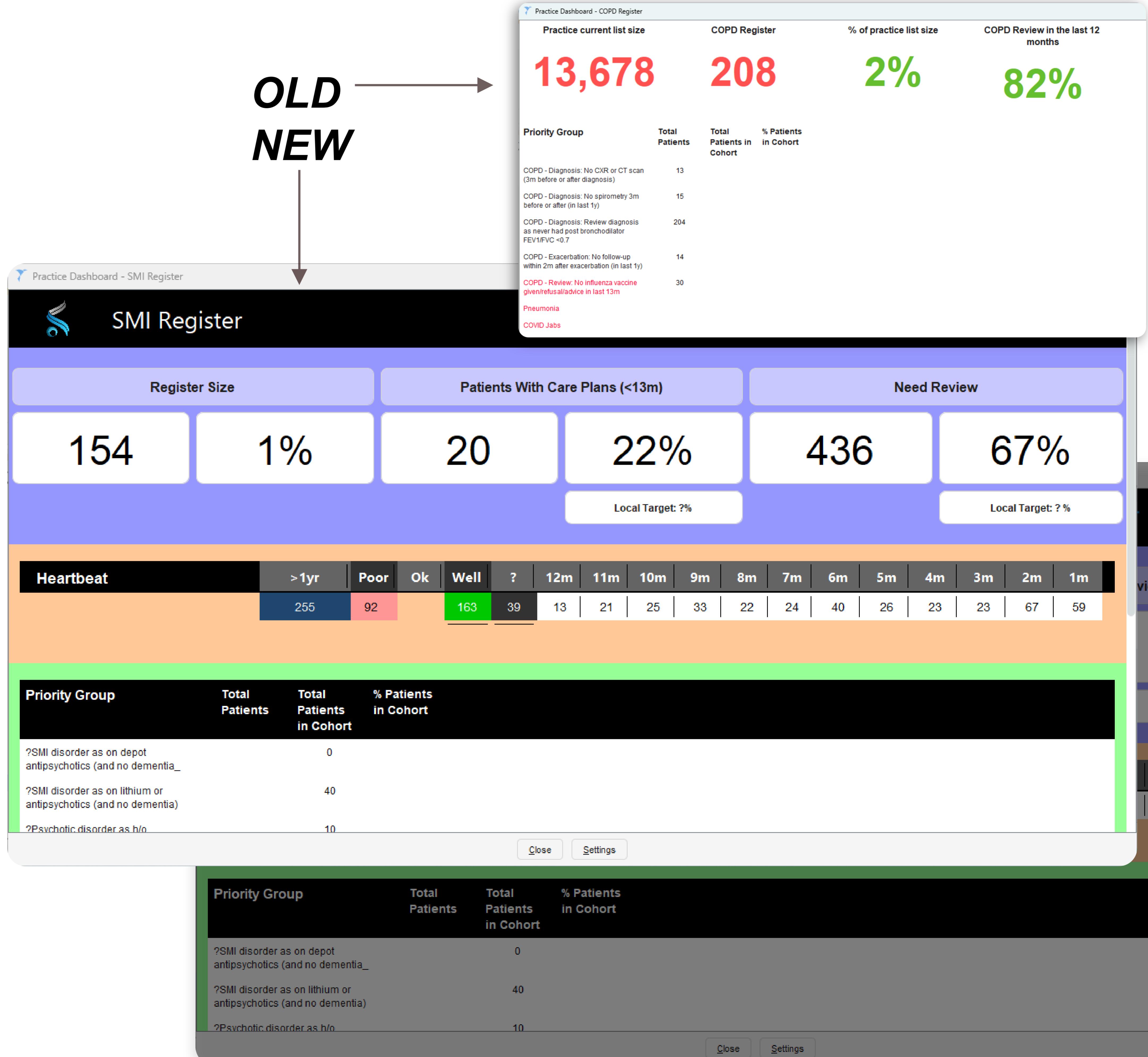
Clinical Dashboards

Working inside the constraints of the clinical software (SystmOne) I created a functional brand language and interactive dashboards to present patient and practice data. These streamlined key tasks such as patient triage, repeat appointments, chronic condition monitoring.

These were very well received by other GP Practices and are now integral to how Steel City surgery run both clinical and administrative tasks.

Summary

- Created user interface designs, navigation approaches and UX guidelines
- Develop data dashboards to improve practice
- Conduct design reviews with nurses, doctors, management and admin staff
- Created
- Develop flow management tools to reduce patient waiting times



Industry UX Design

When working as a design engineer I created various user interfaces for products. Notably, I lead the redesign of the Surtronics DUO II including UI development.

This UI had to be icon based as the product is used by international markets.

I used Illustrator to create icons and Figma to prototype the software interface. Using a prototype built around a phone allowing me to give the device to users to get feedback on the UI. This innovative approach to UI design was very well received by Taylor Hobson's Technical Director.

Summary

- Led product line redesigns
- Created UI/UX prototypes
- Conducted user feedback reviews
- Introduced a new process for developing UI



Figma Industry Example

I designed, created and tested a working user interface for an industry-leading, handheld measurement device for Taylor Hobson (Ametek).

I used wireframing, flow interaction design and frequent design reviews to progress this UI through approval stages.



Degree UX Design

My major degree project was a sound level monitoring system for use in live music environments.

Aiming to provide accurate sound level information to help prevent hearing loss in this high risk environment.

A key component of this system was creating an easy to use software interface to could show the user sound levels at a glance.

A professional sound engineer said this regarding Stagescape:

"StageScape has the potential to help sound engineers understand the changing levels on-stage, and reduce the likelihood of hearing loss in musicians."

Summary

- Innovation in sound monitoring
- Well-considered app layout for mobile devices
- Interactive UX with seamless integration into the wider system
- Potential to reduce hearing loss for musicians



See connected
Relay Mics

Map
instruments
on-stage

Tap to focus on
a specific mic

Accurate decibel
level display



Marketing Content

Marketing Content

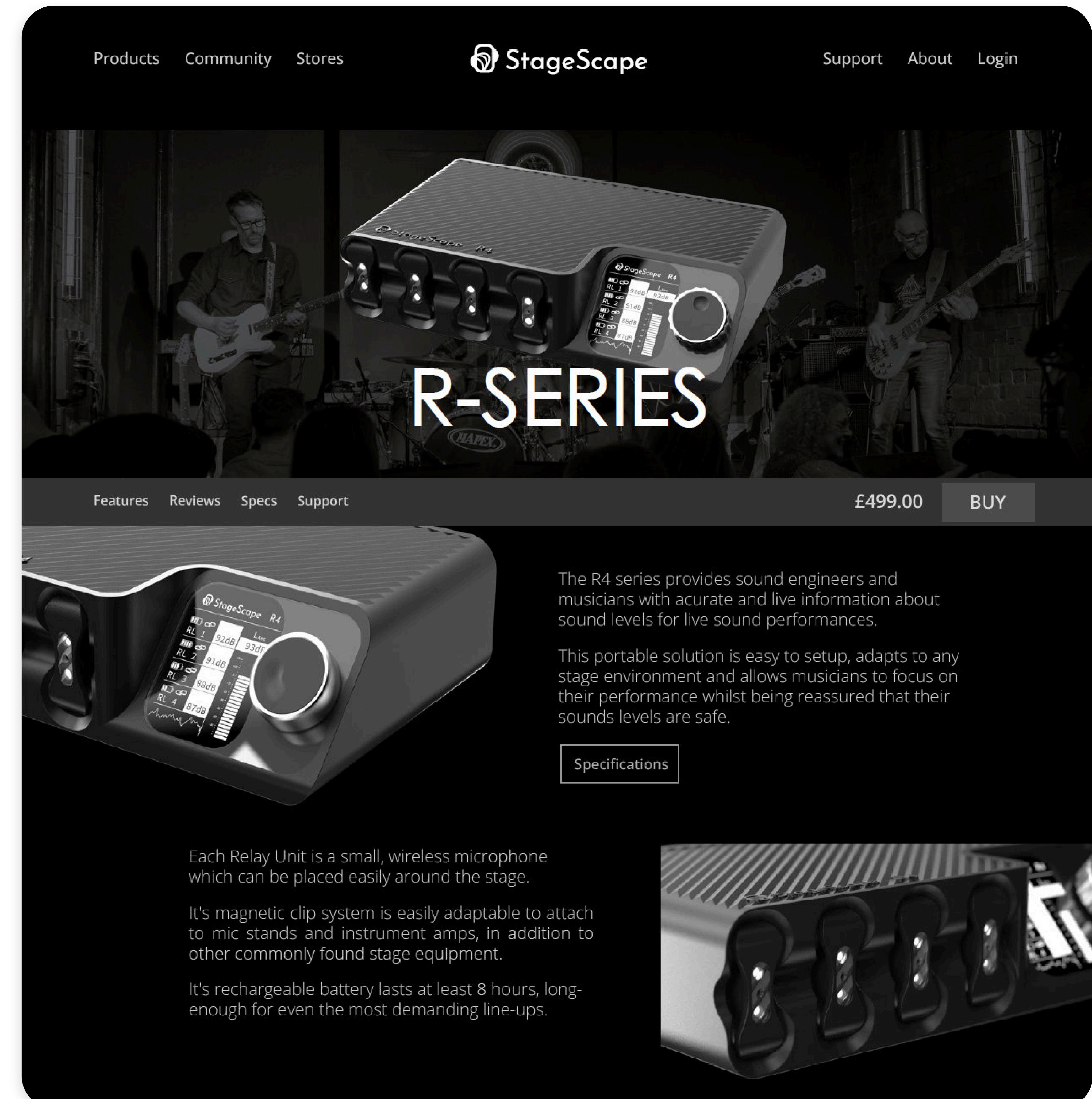
I've created a range of marketing materials for products over the years. This image shows a website mockup created for my StageScape product line.

Using InDesign alongside Photoshop and Illustrator I've created graphics, logos, brochures and mockups.

Each one tailored to the individual product and market.

Summary

- Targeted branding and marketing for specific audiences
- Website page design
- Creation and correct application of branding
- Vector design
- Rendering and animation



The website mockup for the StageScape R-Series features a dark background with a band performing on stage. In the foreground, a StageScape R4 relay unit is displayed prominently. The device has a digital screen showing sound level data and four magnetic clips attached to its sides. The text "R-SERIES" is overlaid in large white letters across the center of the device. Below the device, there's a navigation bar with links to "Features", "Reviews", "Specs", and "Support". To the right, the price "£499.00" is shown next to a "BUY" button. A detailed description of the R4 series is provided, highlighting its portability, setup ease, and safety features. Technical specifications are also mentioned. At the bottom, two additional images of the relay unit are shown from different angles.

Video and Photo Content

A high-impact promotional video showcasing a custom-built gaming PC. I handled filming, editing, and audio synchronisation, using music-driven transitions and dynamic pacing to highlight the machine's performance and design. The final video was used across digital platforms to boost product visibility and brand engagement.

Alongside this I created photo content for use in promotion material and advertising

Summary

- Professional video recording
- Storyboarding
- Colour grading and shot matching
- Cutting and sequencing footage for maximum impact
- Timing to music and voiceover
- Using transitions effectively
- Audio mastering for professional-quality video content



|||≡ Ableton



Product Design



AMETEK

Talyrond 685 Product Line

Ergonomic and Aesthetic Redesign

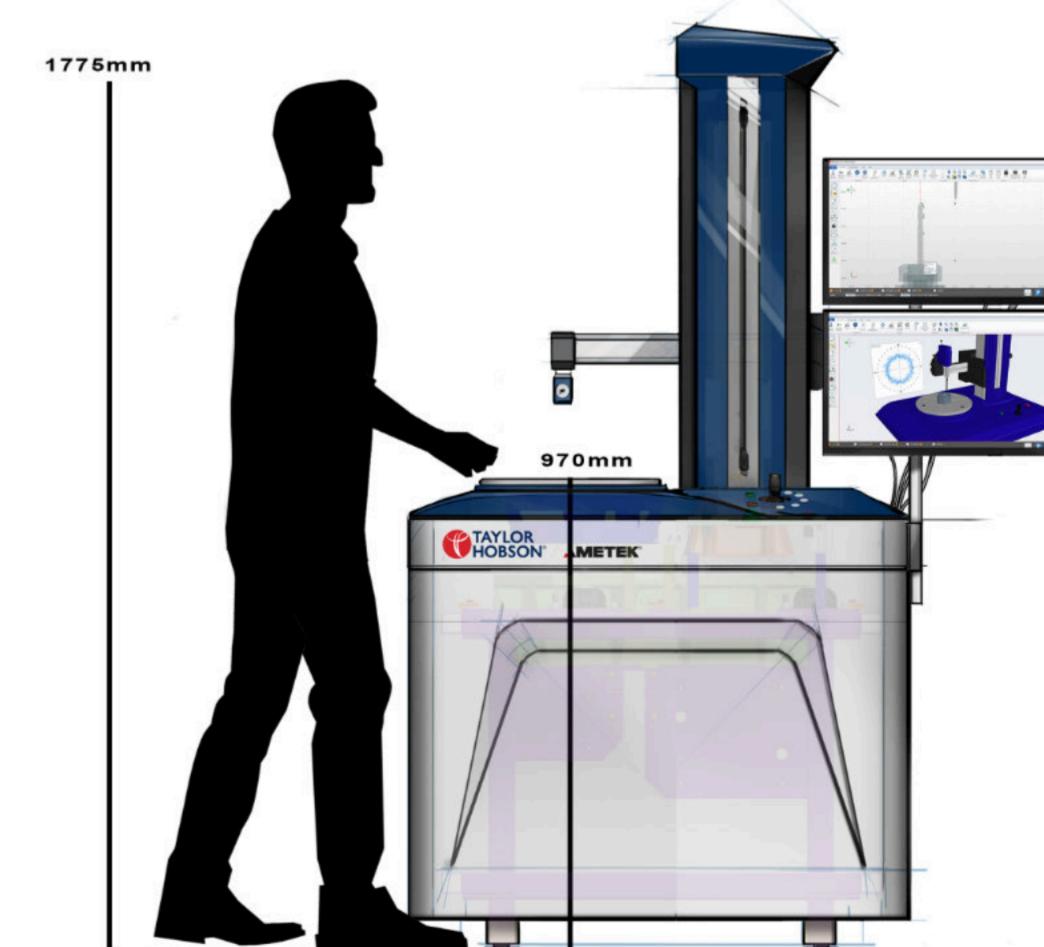
The Talyrond product line was the worlds first roundness metrology device and continues today as the worlds leading equipment for accuracy and speed.

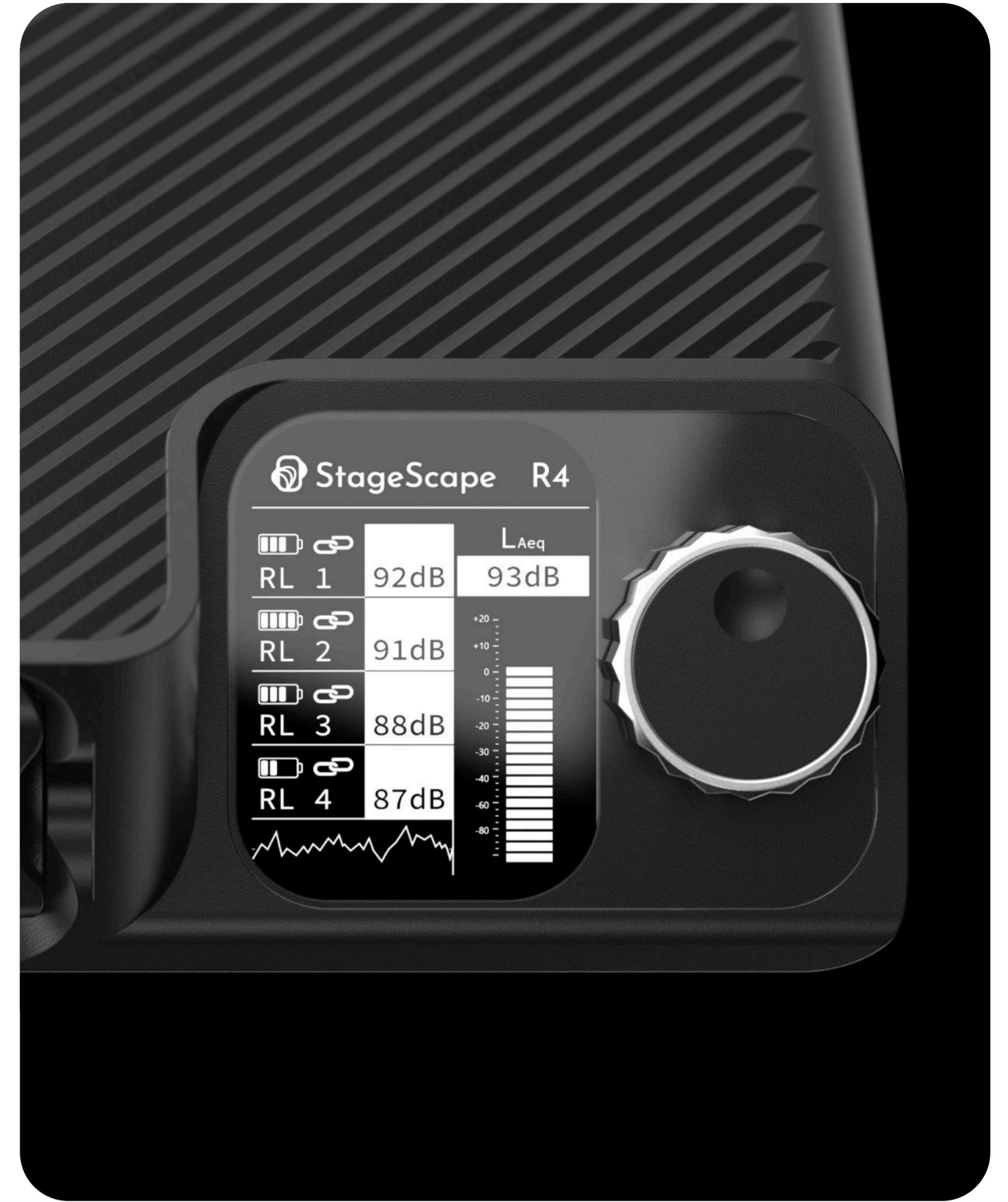
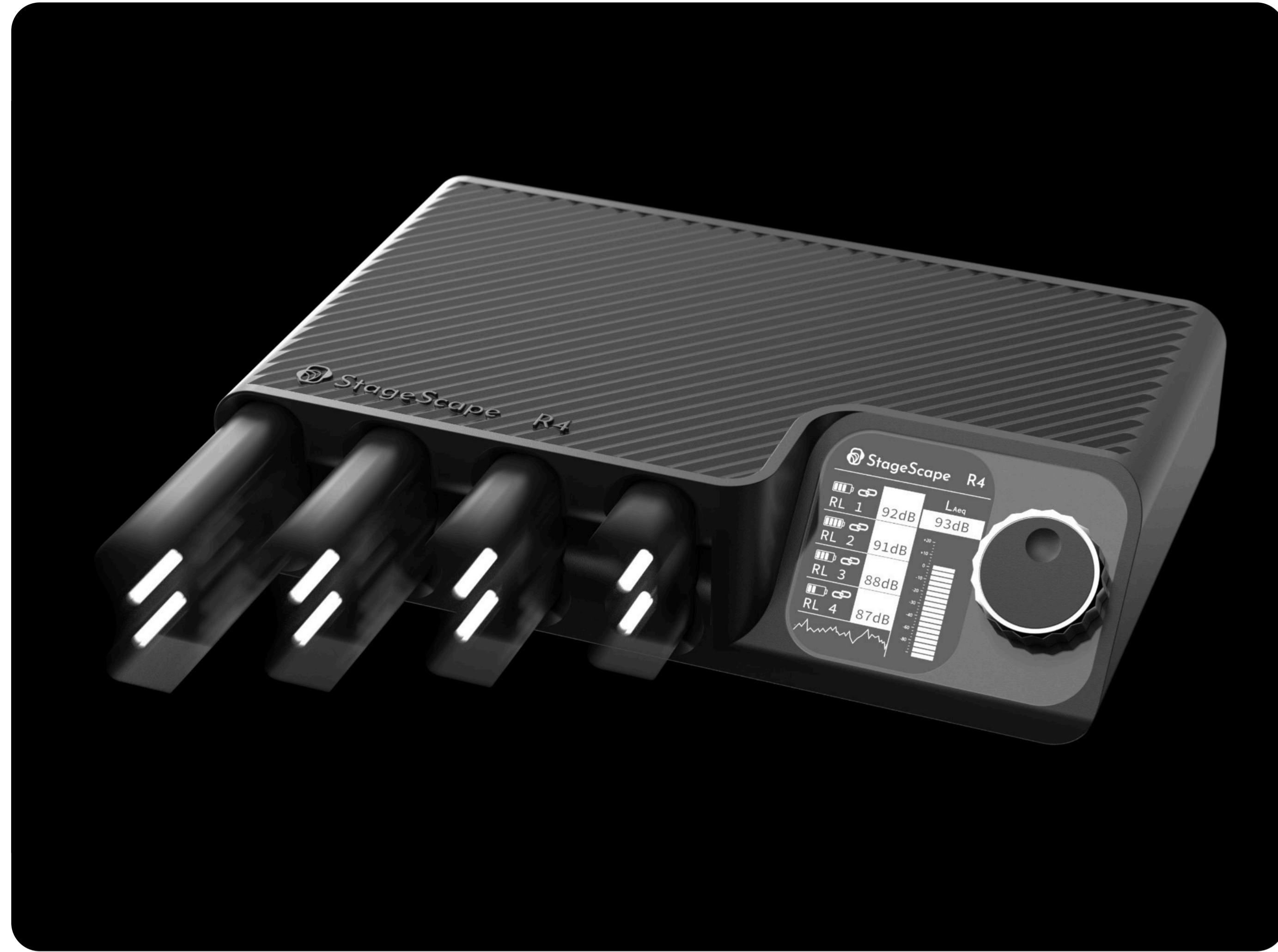
I was commissioned to redesign the ergonomics and styling for the Talyrond product line. Coordinating with multiple departments, I took this project from a written brief through to a manufacturable outcome.

The styling aim was to modernise the product line, bringing in new elements to progress the design language whilst retaining brand recognition. The functional aim was to raise the height to optimise the ergonomics from a standing position in addition to sectioning the button layout into primary and secondary actions.

I led weekly update meetings where I presented the latest ideas, designs and models to the heads of business development, engineering and marketing. These not only kept each department in the loop, but also provided a way for me to receive constructive feedback on all areas of my designs.

I also collaborated with engineers and designers from Creaform, a leading Canadian 3D scanning manufacturer who assisted with the engineering and manufacture workload.



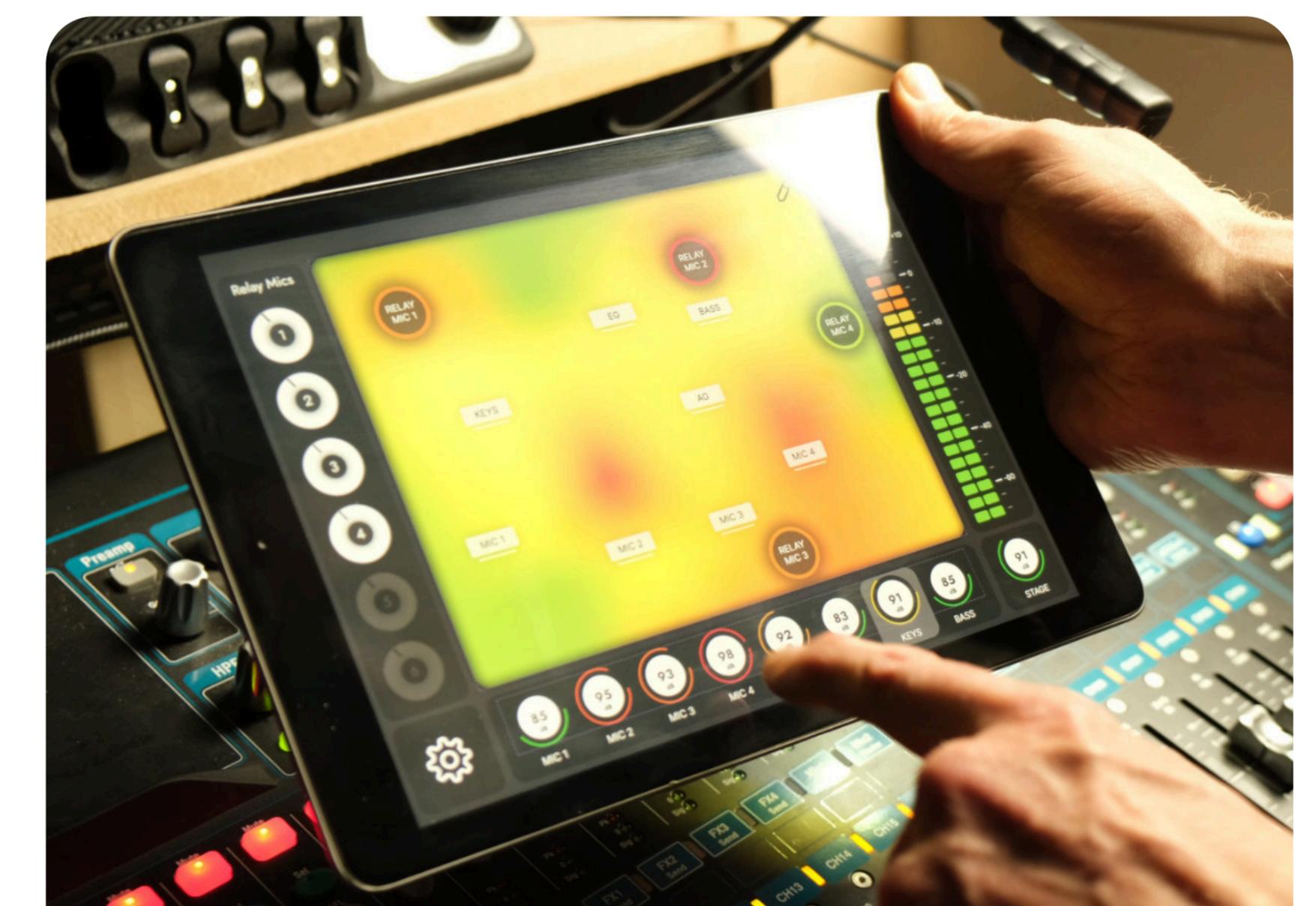


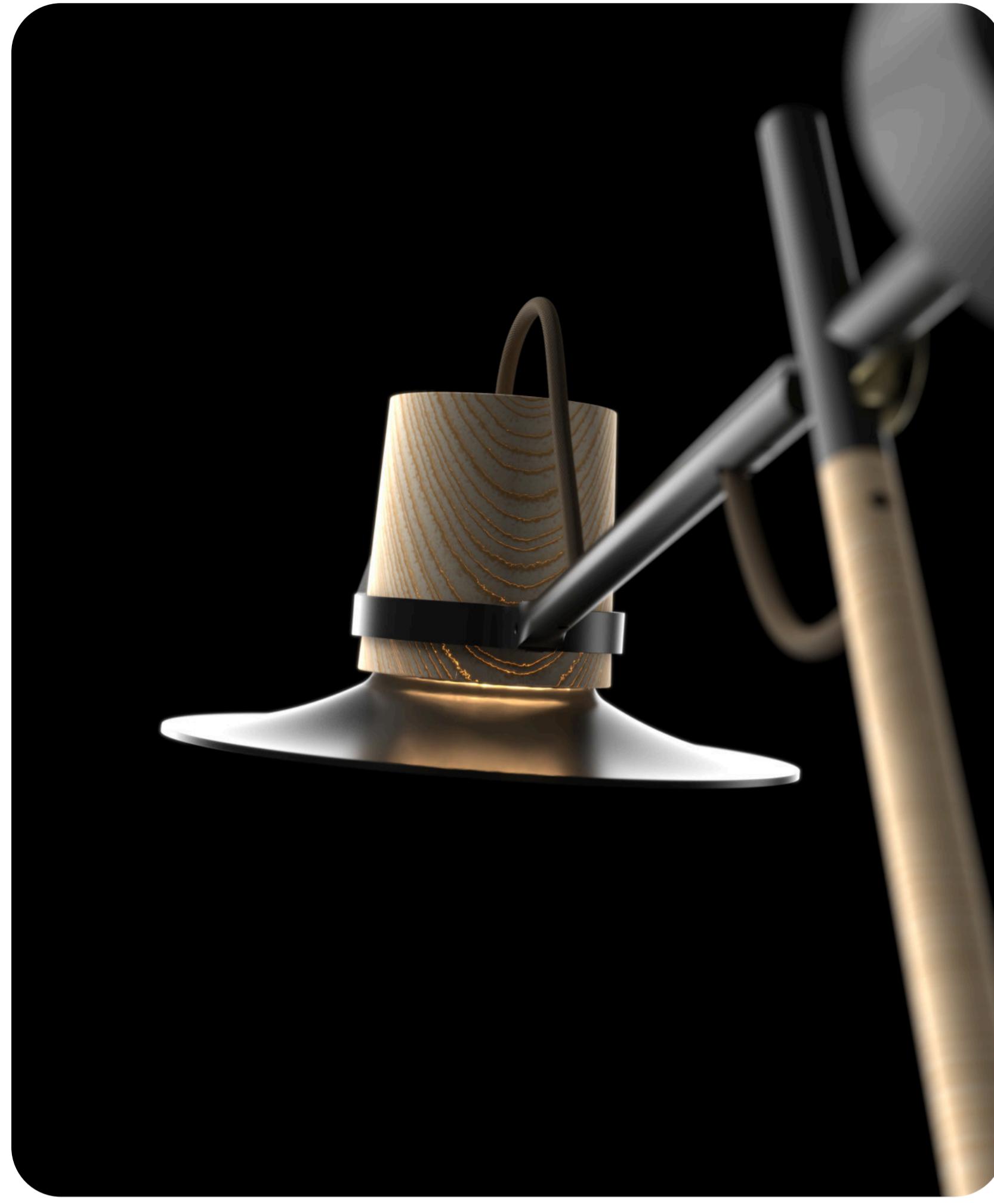
The Audio Level Monitor System design

This design explores the challenges of building a cohesive system of devices. The system provides musicians with on-stage monitoring of sound levels to improve their performance and reduce their chance of hearing loss.

It brings together the latest technologies to solve real world problems, packaged in a well-considered, user-focused design.

With input from stage monitoring experts, professional musicians and sound engineers, the resulting design delivers a compelling product which addresses an important challenge for performing musicians.





Fokus Desk Lamp

Exploring materials and context

This design explored our work-life balance. Through the simple attachment and removal of the shade, the lamp transitions between a task light for daytime work-from-home, to an accent light for evening illumination.

This mix of objectives provided opportunity to mix materials, functional controls and aesthetics to bridge the space between work and home.

I worked with a number of consumer focus groups to draw out the benefits of this multi-purpose device. The prototype was created using actual materials and custom internal electronics.



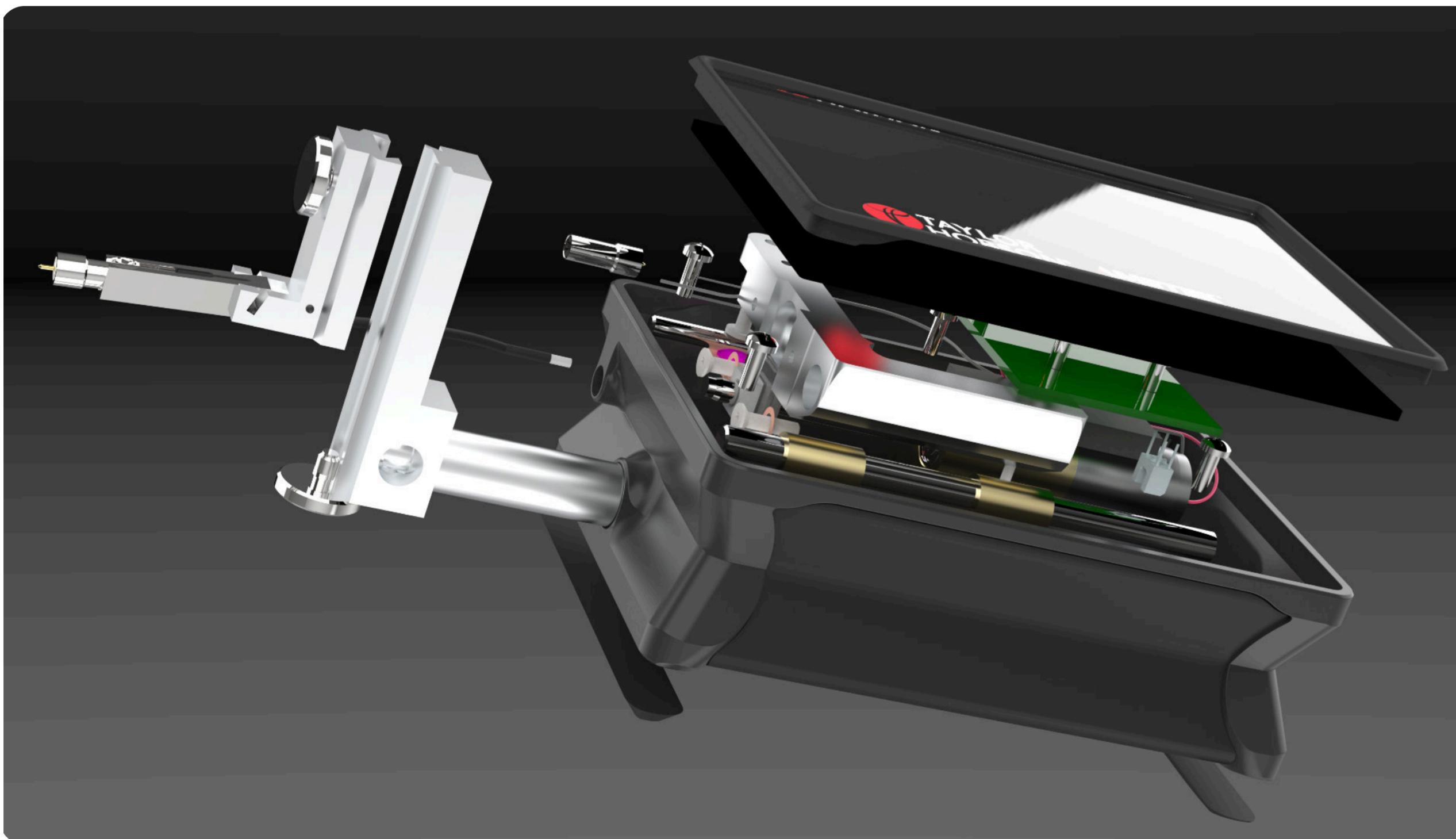
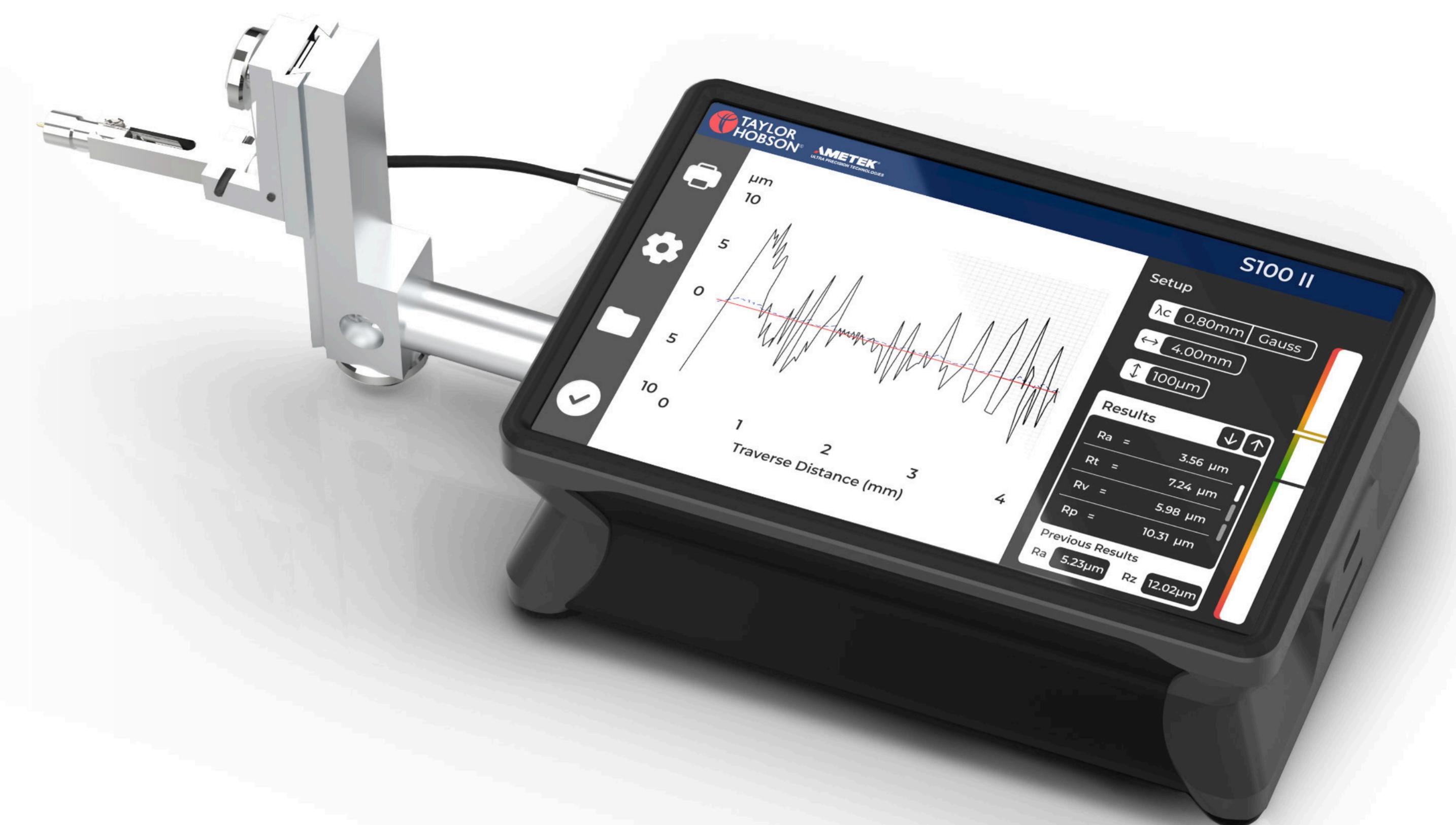
DUO II / S200

Development for an existing product line

During my year working professionally as a Design Engineer I was tasked with creating a new aesthetic design for a range of handheld metrology devices.

Working with the business development team I put together a range of concepts, with accompanying prototypes, based on consumer feedback, competitor analysis and internal research. I took the project from a loose specification through to well considered, carbon fibre 3D printed model.

The original design language of the product range was updated to a two-tone grey with the display as the focal point. The product design need to provide a neutral basis for the localised branding of Ametek's international partners.



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