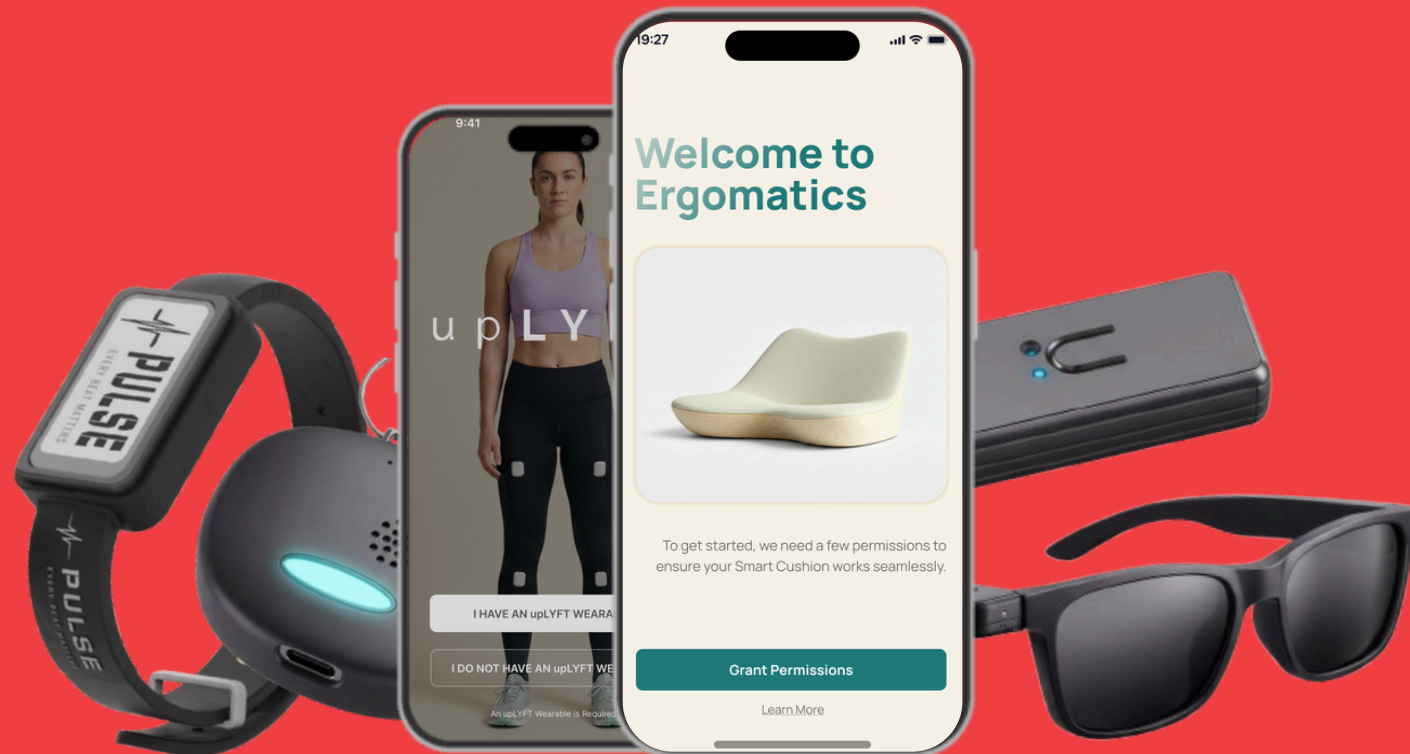


Medical Product Design

QUICKGEN
TECHNOLOGIES



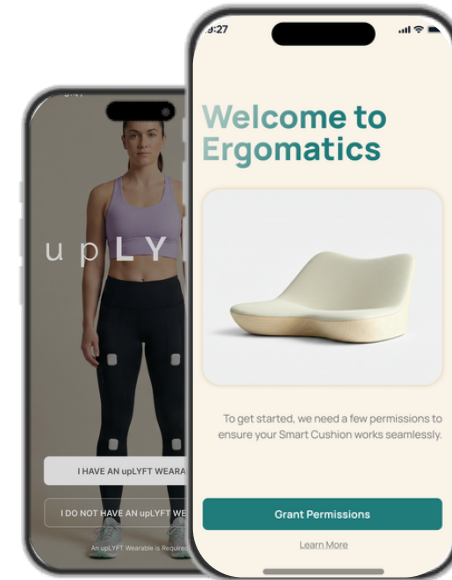
Conceptualized by you, made by us.

We coordinate all seven steps of the product development process under one roof. Our in-house design, engineering, branding, and marketing professionals work cohesively together. We have developed strong communication protocols and supporting processes that create a wellintegrated experience across department lines — streamlining the product development process.



Solutions tailored to your needs.

No matter the industry or size of project, whether you're building a new idea or revamping an existing one, everything we create is done to a high standard of excellence and customized to the unique needs of each one of our clients. We approach every project with out-of-the-box thinking and strive for innovation that sets our clients apart from their sector.



We adopt a user-centred approach.

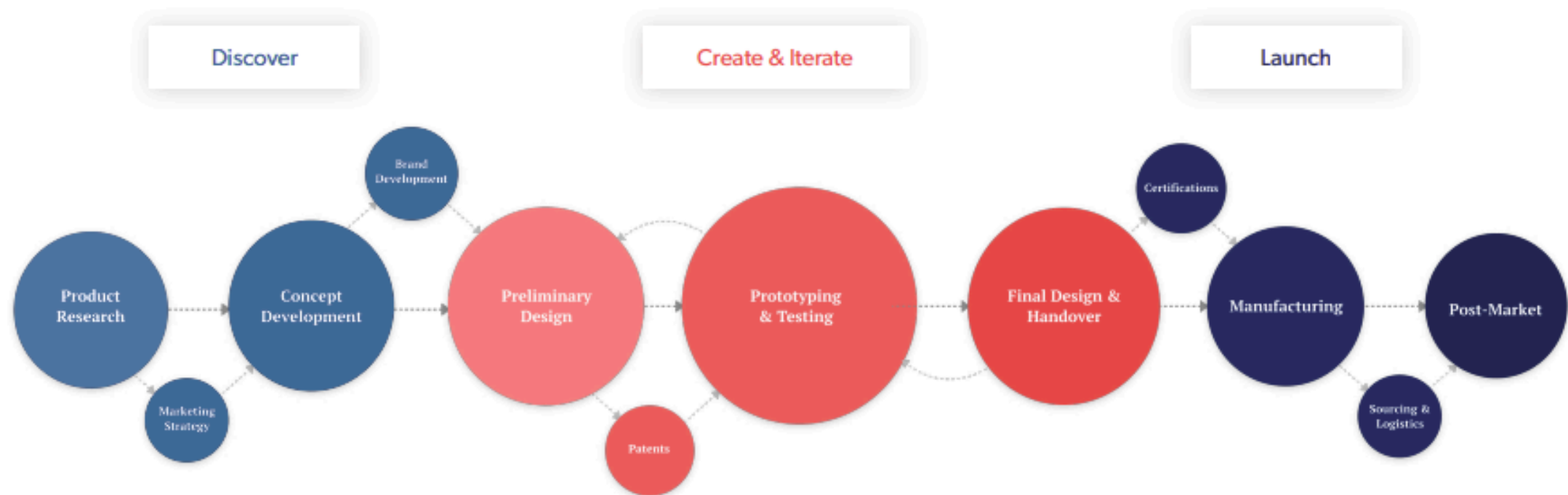
We elevate products through a user-centred approach. In every facet of our design, marketing, branding, and engineering we focus on the user. Our team researches, analyzes, and innovates to solve your user's problem through the creation of remarkable products and experiences —and always with style.



Our Philosophy

Our Product Development Process

Over our 8+ years of combined experience, we have developed a wide range of expertise and evolved our process to move ideas off the ground and achieve groundbreaking results. But our process doesn't create a standard or uniform experience. Not every experience will be the same or require every step. Our team can step in at any point, clients are free to work with us for only certain pieces of their development and branding process, or from start to finish. Each client experience is customized but often follows a common trajectory that we have divided into three general phases.



Our Process



May
2026

80+

CLIENTS

200+

PROJECTS

06+

YEARS

Product **Portfolio**

Motion Tracker

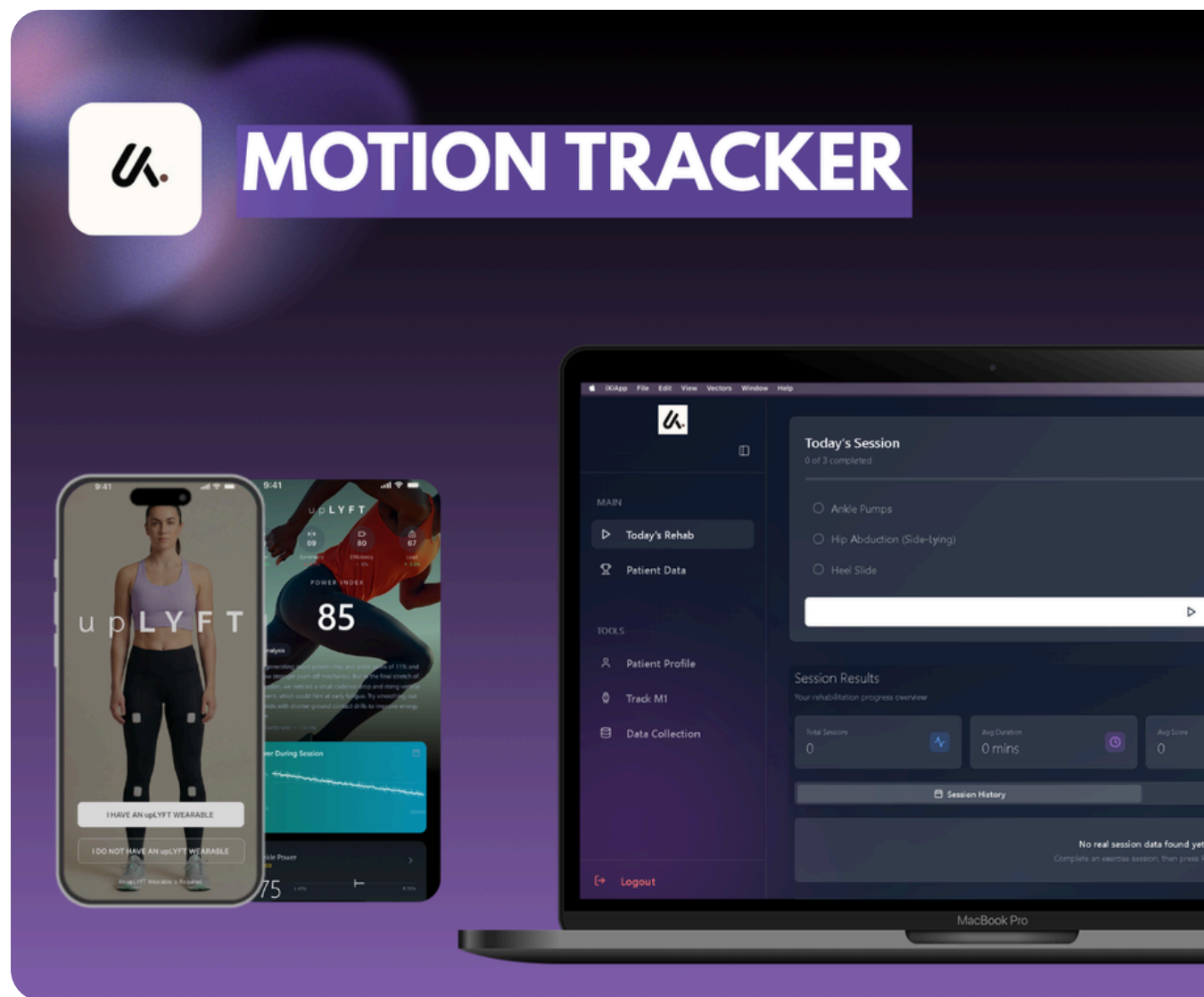
Data-Driven Physical Rehabilitation Platform

FrontEnd	BackEnd	IoT Layer
React (Web) Patient Dashboard	Fast API SQL	Track M1 Leggings Web Sockets

Connected Rehab Experience

Developed a two-sided SaaS platform connecting clinicians and patients through IoT-enabled rehab tracking.

The solution transforms **physical therapy into gamified exercises**, providing medical professionals with longitudinal **recovery analytics** based on real-time sensor telemetry.



Provectus Breath Analyser

A breath analysis device using NASA's e-nose technology to provide non-invasive health diagnostics. Detects health markers in exhaled breath.

NASA Technology

Advanced sensor integration for precise diagnostics.

Non-Invasive

No blood samples required for health detection.

Real-Time Analysis

Instant breath analysis and health data visualization.

IoT Breath Analysis Device

NASA-POWERED HEALTH IN THE PALM OF YOUR HAND:

*Advanced metabolic analysis
and real-time diagnostics,
made accessible for everyone, everywhere.*



Provectus

IoT Health Monitoring System

FrontEnd

React.js
Chart.js

Connectivity

BLE Integration
Azure Hosting

BackEnd

Flask
SQL

Seamless IoT Health Integration

Developed a high-performance mobile application for **real-time health monitoring** via **low-power BLE** communication.

The solution features interactive visualizations for health trends and **secure local caching** to ensure fast access and data privacy.



Real-time Stress Monitor

A wearable device that tracks electrodermal activity (EDA) to monitor stress and health conditions in real-time. Ideal for chronic disease management and mental health monitoring.

Clinical-Grade Accuracy

Provides precise real-time health diagnostics.

Non-Invasive Monitoring

Tracks skin conductivity without discomfort.

Real-Time Data

Syncs with mobile apps for continuous patient monitoring.



Personal AI Pendant

A BLE audio device that captures and plays voice interactions while offering AI-powered support through a paired iOS app.

BLE Audio Capture & Streaming

Streams high-quality audio to iOS for seamless interaction.

Wake Word & User Feedback

Supports wake-word detection ("Hey Aria") with LED and button feedback.

Offline Storage & OTA Updates

Records and syncs data when offline, with over-the-air updates.

PERSONAL AI PENDANT

YOUR PERSONAL AI BRIDGE:

A high-fidelity wearable pendant for seamless, hands-free voice capture and real-time interaction.



AI Pendant

A wearable companion designed to support focus, routines, and daily well-being with personalized, low-friction guidance.

Focus & Attention Support

Nudges for focus-session timers and inactivity alerts.

Smart Reminders & Routines

Helps manage tasks and daily routines, sending timely reminders.

Calm, Sleep & Sensory Tools

Includes breathing guidance, wind-down routines, and sound options for relaxation.

AI PENDANT

MASTER YOUR FOCUS, SCREEN-FREE:

A discreet wearable companion providing private nudges for seamless routines & daily wellbeing.



AI Pendant

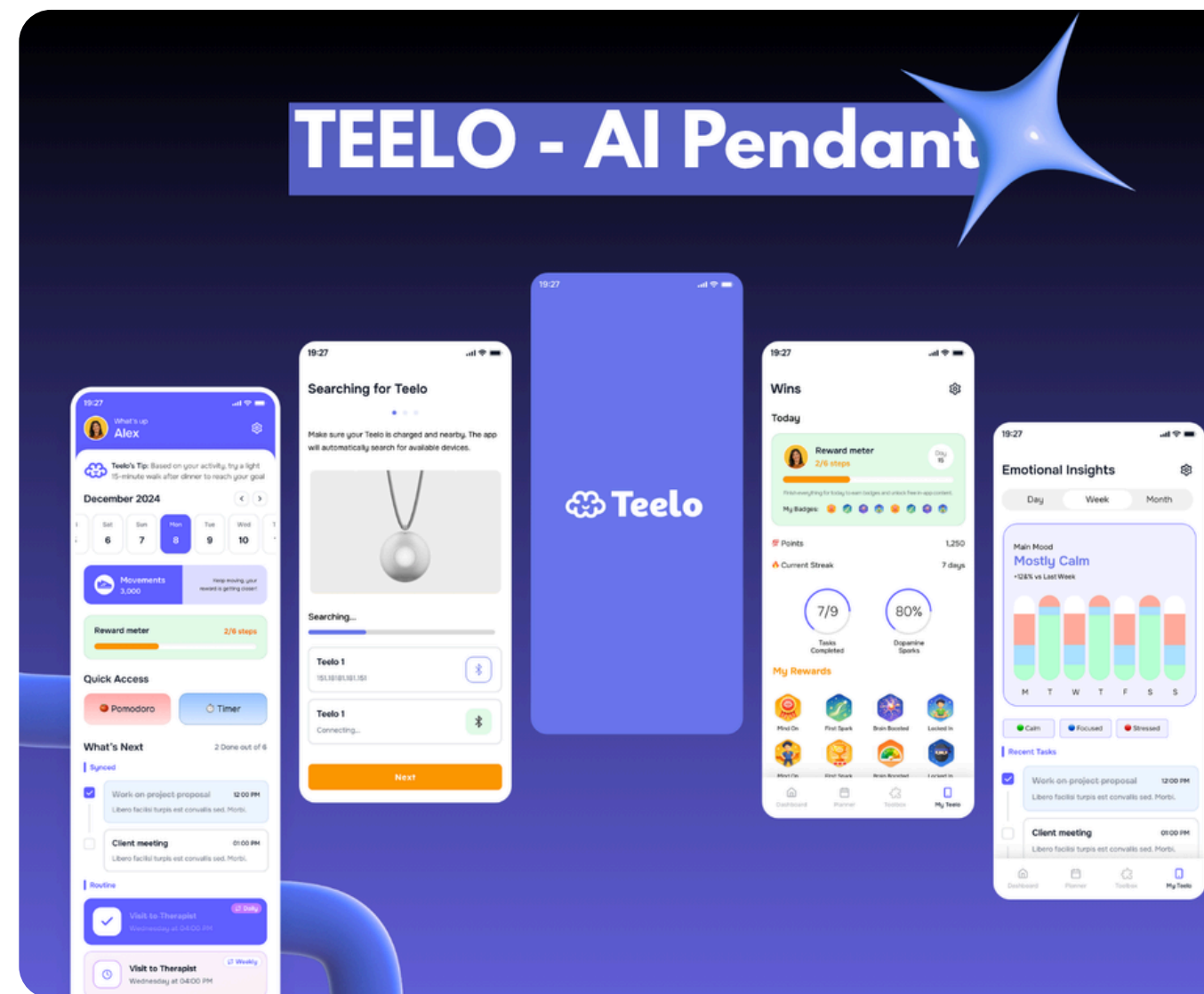
ADHD Support & Regulation Wearable

FrontEnd	BackEnd	Hardware
Flutter (MVVM) Parent Dashboard	FastAPI Redis Cache	Nordic nRF BLE BNO-series IMU

Intelligent Focus Management

Developed a support ecosystem combining a wearable pendant with an ADHD-friendly dashboard.

The system provides **real-time haptic cues** for attention drifting and **automated routine prompts**, backed by a **secure cloud** infrastructure for task tracking and emotional regulation.



Smart Glucose Meter

A smart glucose meter offering accurate real-time blood glucose tracking for effective diabetes management. Syncs with health apps for data monitoring.

Real-Time Tracking

Provides precise glucose readings instantly.

Seamless Integration

Syncs with mobile health apps for data collection.

User-Friendly

Easy-to-use interface for daily health monitoring.



The advertisement features a smartphone on the left displaying a glucose reading of 86 mg/dL at 7:23 AM, labeled as 'Pre-Meal'. Below the reading, there are options for 'More Details' and 'View Journal'. A notification from 'AdeleAI' is visible at the bottom of the screen, stating 'Your reading has been logged! Want to talk about it? Let me know what how I can help.' To the right of the smartphone is the physical smart glucose meter, which is black and displays the 'adele HEALTH' logo vertically. The meter also shows a Bluetooth symbol and the time '10:15'. Below the smartphone and meter, there is a black banner with the text 'SMART GLUCOSE METER' in white. Underneath the banner, the text reads 'INSIGHT, AT A GLANCE: Designed to measure, connect, and deliver real-time health intelligence effortlessly.'

SMART GLUCOSE METER

INSIGHT, AT A GLANCE:
Designed to measure, connect, and deliver real-time health intelligence effortlessly.

App Adjusted Cushion

A portable seat cushion offering app-controlled comfort, ideal for ergonomic support during long hours of sitting.

Inflatable Design

Provides personalized support for the hip area.

App-Controlled

Adjust firmness and comfort levels through an app.

Portable Use

Ideal for use in cars, offices, and other seating environments.



App Adjusted Air Seat

COMFORT, PERSONALIZED TO YOU:
Designed to adjust, support, and adapt for smarter, pressure-free seating.



Ergomatics Cushion

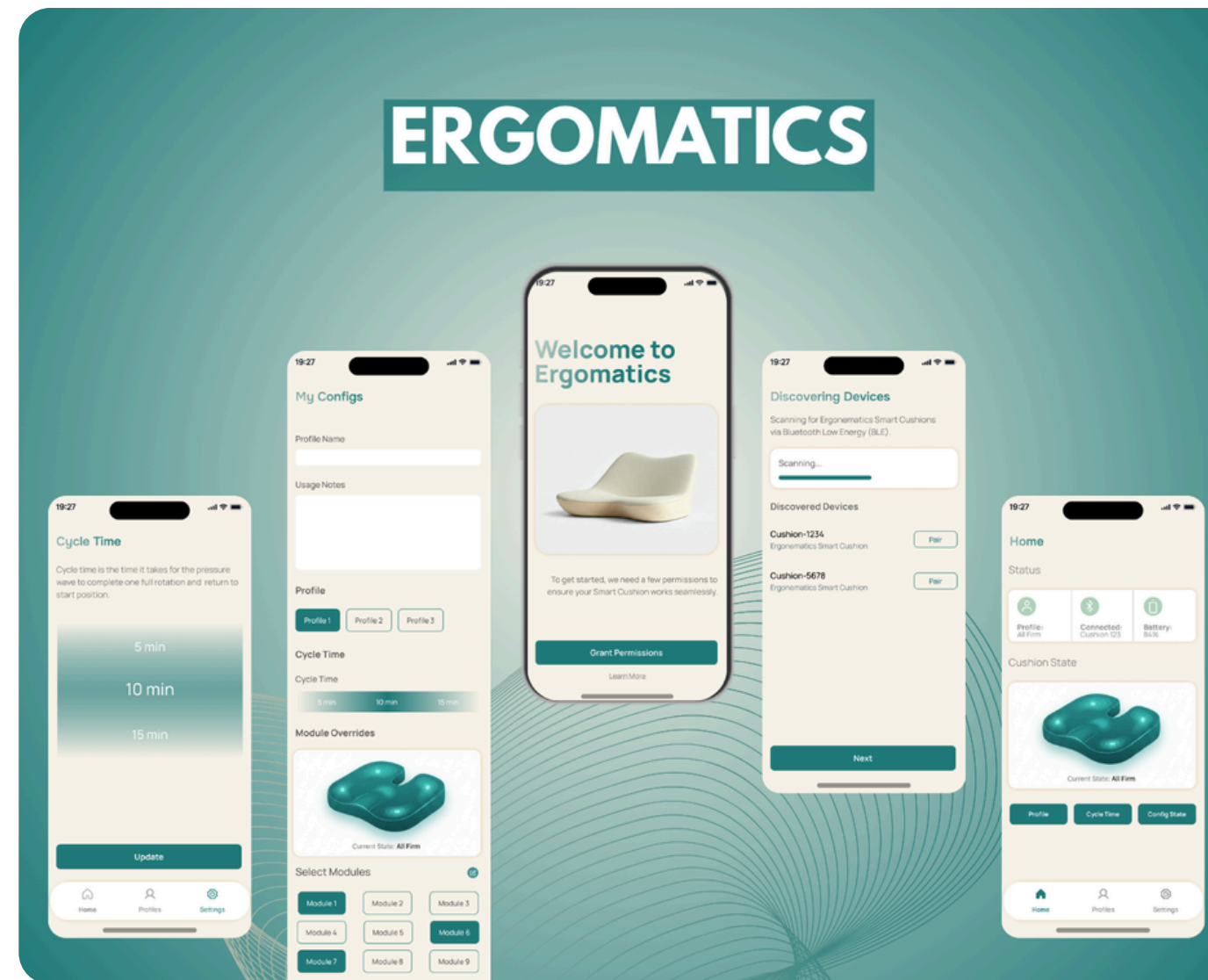
Precision Ergonomic Comfort Cushion

FrontEnd	Control System	Hardware
Native iOS/Android Profile Presets	18 Air Modules Dual-Pump Sync	BLE 5.0 OTA Firmware Updates

Smart Cushion Management

Engineered a control application for a smart cushion featuring 18-module air pressure management.

The platform allows users to **customize** dynamic movement sequences and **profile presets** through **low-latency BLE telemetry** and **encrypted command** channels.



Medical Headlamps

Advanced headlamps providing high-intensity illumination for surgeons and medical staff, with ergonomic wearability for long procedures.

High-Intensity Light

Bright, focused illumination for surgeries.

Ergonomic Design

Comfortable for long-term wear.

Battery-Powered

Ensures reliable light during procedures.



Medical Headlamps

CLARITY, WHERE IT MATTERS MOST:
*Engineered to illuminate, focus, and perform
with precision in every procedure.*

Got Questions ? Connect Now



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