Nathan Imhasly

Interim and fractional project leadership in engineering, innovation and technology

HARDWARE AND NEW PRODUCT DEVELOPMENT · BATH, UK

AVAILABLE FROM JANUARY 2027

imhaslydesign.com · linkedin.com/in/nathan-imhasly



CONTRACT EXAMPLES · FROM JANUARY 2027

Interim — 3–9 months
Project leadership in engineering, innovation and technology, full time or hybrid

Fractional — 1–3 days a week
An experienced part-time project lead

Concept project — 6–12 weeks
From brief to a tested concept, with the evidence behind it

Programme review — 2 weeks
An independent view of one programme and a plan

Innovation Lab — theinnovationlab.ai
My agentic design consultancy, built on agent-engineering

WHAT I BRING

- Product innovation
- Concept development
- Hands-on rigs & prototypes
- Invention & patents
- Stage-gate development
- Sensor integration & control
- Thermal & airflow systems
- Brushless motors
- IP strategy
- AI & ML in product development
- User-centred design
- Cross-functional leadership

WHERE I WORK

ON SITE	With your team, within about two hours of Bath; further afield by arrangement
HYBRID	Part of the week at your site, the rest from my studio
REMOTE	From my Bath studio and workshop: CAD, 3D printing, metalwork and electronics

PATENTS AND IP

Named inventor on 65 inventions, with 80+ granted patents and registered designs across the UK, Europe, the US and Asia: airflow and attachments, sensing, and appliances that adjust to their user. On a project I capture inventions as they happen and work with your patent attorney on what is worth filing.

EDUCATION

MEng (2.1), Innovation & Engineering Design
University of Bath, including a year in industry at Garrad Hassan

Sixteen years at Dyson, from graduate engineer to Innovation Director, inventing, prototyping and proving sensor-rich electromechanical consumer products sold worldwide. The airflow, motor, sensing, thermal and user-trial work carries over to any electromechanical product. I lead user-centred concept development hands-on, testing with real users from the first prototypes, and take ideas through to proof of concept. I also lead projects from concept through to production. Named inventor on 65 inventions, with 80+ granted patents and designs.

SELECTED WORK · MORE AT imhaslydesign.com/#work

Dyson Supersonic Nural
Senior Design Manager, concept creation
2020 – 2022 · launched 2024

Dyson's first intelligent hair dryer

Developed the idea of a dryer that senses and adapts, from first concept to proof of concept, and led a small team through ideation, prototypes and trials to a proven design. Owned the integration of sensors, firmware and adaptive control; created the Flyaway Smoothing Brush in parallel; patents filed across both.

Dyson Airstrait
Design Manager
2019 – 2020 · launched 2024

A physics demonstration turned into a new product class

Wet-to-dry styling with high-velocity airflow and no hot plates. Took it from the first fundamental rigs, through rounds of prototypes, to integrated global user trials, while leading the Future Hair Care team on technology ahead of the active pipeline.

Haircare & beauty innovation
Head of Innovation, then Innovation Director
2022 – 2026

New products through the innovation pipeline

Led an innovation team of up to 35 across mechanical, electronics, firmware, industrial design and manufacturing. Generated ideas, proved them on rigs and prototypes, tested them with users; sped up the move from rig to integrated prototype; generated and protected new IP. Hands-on throughout.

AI in product development
Lead for AI-tool adoption
2024 – 2026

Making AI useful to a hardware team

Led development teams applying machine vision to consumer devices, and the adoption of AI tools across the product development department. I know what it takes to get engineers using a new tool.

CAREER

2025 – 2026	**Innovation Director, NPI Beauty · Dyson** — director-level lead for early-stage concept and proof-of-concept work
2022 – 2025	**Head of Innovation, Haircare & Beauty · Dyson** — led an innovation team of up to 35
2020 – 2022	**Senior Design Manager · Dyson** — created and transferred Supersonic Nural and the Flyaway Smoothing Brush
2018 – 2020	**Design Lead, then Design Manager · Dyson** — early-stage technology and concepts; Design Manager for Airstrait
2010 – 2018	**Graduate to Senior Design Engineer · Dyson** — engineering lead for the Airwrap main body; PCB integration on the original Supersonic
1997 – 2016	**Sculptor · Metalism** — stainless steel sculpture, made by hand