



DAVE BRADBURY

Consultant, Technologist & Innovator

April 2026

Versatile consultant, technologist, and innovation leader with an extensive 42+ year track record of innovation and leadership across multifaceted projects and diverse industry verticals, including HVAC building services, refrigeration manufacturing, construction, and oil & gas. Proven expertise in engineering design, consultancy, and information management, coupled with a reputation for successfully guiding local and remote teams in complex initiatives of varying scale. Recognised specialist in digital design systems, data strategies, digital twins and the development of cutting-edge applications integrating emerging technologies such as AI and AR. Multilingual professional with a demonstrated history of driving progress and advancements within engineering industries.

PERSONAL DETAILS

- (+44) 07490 480020
- dave@darbury.com
- Essex, UK (proximity to London)

LINKS

- <https://www.linkedin/in/darbury>
- @dgbradbury

SKILLS

- Information Management
- Digital Construction & Engineering
- Design, inc 3D Modelling
- CAD & Systems Configuration
- AI Prompt & Context Engineering
- AI Product Creation
- Asset Data Management
- People & Business Management
- Data Integration
- Change Management
- Standards, Plans & Budgets
- Standards & Governance
- Power BI Reporting

QUALIFICATIONS

- BTEC ONC HVAC - merit
- BTEC HNC HVAC - merit

LANGUAGES

- English - native
- French - advanced
- Russian - school level

Darbury Ltd. - Managing Director & Owner

Jan 2000 to Present

- Technologist, strategist, planner & standards creator / governance
- Project management, business processes, technical standards, work instructions
- Digital engineering, digital construction, digital twin & AR specialist; implementation & process expertise
- Solutions expert & consultant across multiple industries, disciplines & departments
- Published & sold author of multiple iOS, .NET & Autodesk App applications
- AI specialist, consulting on the correct way to implement AI solutions in industry
- Implementing the AutoCAD Plant MCP Server for automation with LLMs
- Producer & implementor of automated solutions for the Autodesk suite of software
- Consulting on local LLMs vs cloud AI use, specialising on data compliancy within companies
- Panellist & presenter at Canada EnergyTech Summit 2026

AI Capabilities

- Prompt engineering, understanding the needs of the LLMs for accurate results
- Early adopter of Open Claw (ClawdBot), experience of what not to do
- Producing, managing & implementing AI-generated products & systems
- Project Manager of AI solutions

2024-2026 Clients:

- Sovereign Play Systems - Manufacturing
 - Implementing Autodesk Inventor efficiencies across product range
 - Completion of redesign of various products
 - Introduction of workflows from design through manufacturing to installation, including part numbering & barcoding
 - Introduction of Intranet system for sharing product data & 3D visualisation
- Prozus, Canada - Engineering Support Services
 - Executed Inventor changes for mobile solar panel manufacturer
 - Introduction of efficiency saving process workflow changes
- DataD, Canada - IT Services
 - Consulted on AI solutioning & implementation of products
 - Introduction of process workflow for AI product creation

Older Clients:

- Shell UK, BP, Huntsman, Dow Corning, BNFL, Rolls-Royce, Pfizer, Fluor, Jacobs, Ford UK & Everest Sciences

USxI Group - Director of Global Operations

Oct 2025 to Present

- Accountable for efficiencies within the organisation ensuring value for money for clients & maximising profit internally
- Responsible for efficiencies in the execution centre in Chennai, India with 100+ staff
- Responsible for Account Management (Sales) Team based predominantly in Calgary, Canada (10+ staff)
- Accountable for sales in UK & Europe - breaking open new market for company services
- Managing budget & expectations of the UK & Europe sales
- Client Account Management - bridging the gap between the sales & delivery through efficient execution
- Problem solving on existing projects, ensuring quality results for the client but maintaining internal profit
- AI solutions & implementation specialist for the DataD organisation
- Introducing dashboard reports from existing system via Power BI
- Panellist at Canada EnergyTech Summit in Calgary (April 2026)



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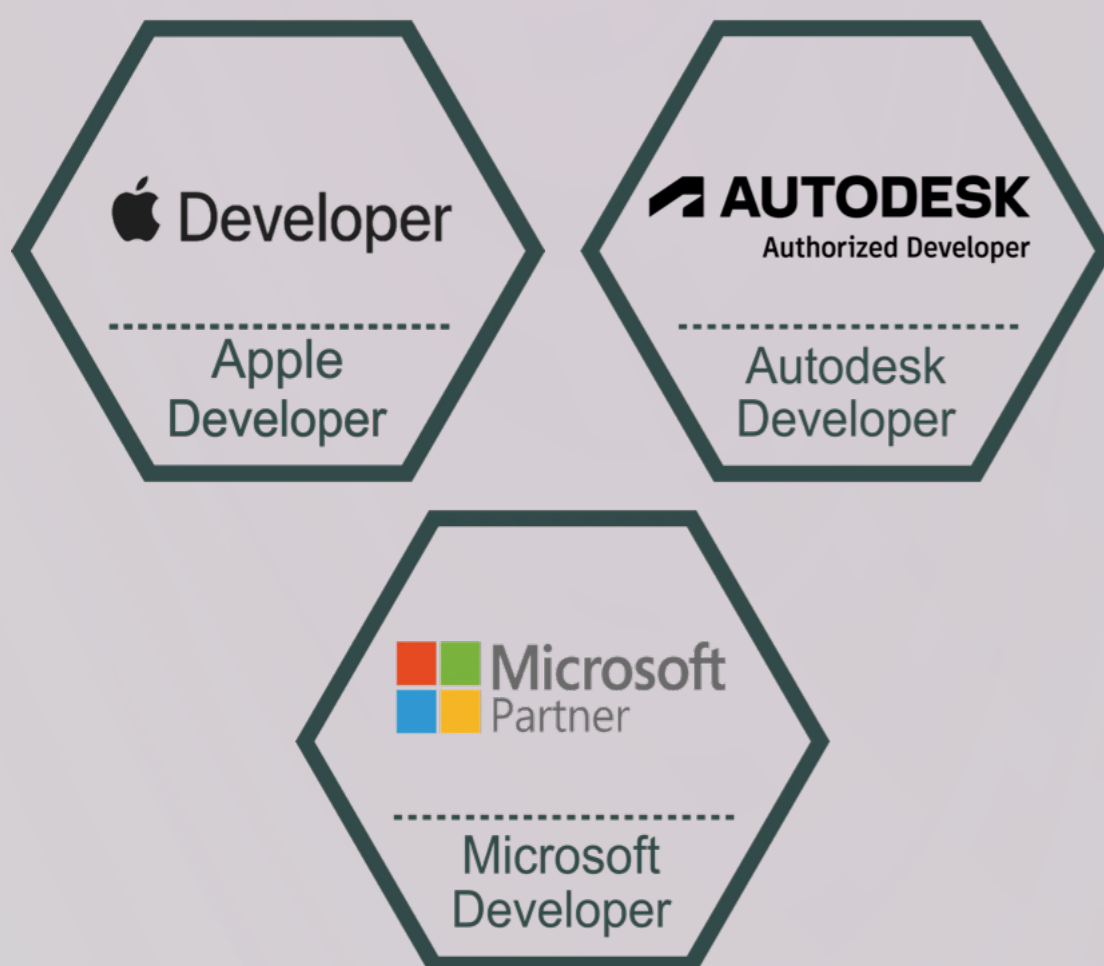
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April 2026

NOTABLE PROJECTS

- Channel Tunnel Refrigeration Units
- MoD Destroyer Refrigeration Unit
- Lillehammer Olympics - Bob Sleigh & Ice Halls
- Huntsman Tioxide Icon2 Expansion
- Petro-Canada Fort Hills Oil & Gas Plant
- Nexen Canada Long Lake Oil Pad Extensions
- Google Deepmind
- Google Kings Cross HQ
- Apple Battersea HQ

DEVELOPER PARTNERS



DARBURY WEBSITES



www.digitaltwin-services.com

ISG - Senior Digital Manager

Jan 2018 to Aug 2023



- Accountable for technology responses on winning work bids for key Fit Out projects
- Supporting the Digital Construction (BIM) group across multiple business units on project endeavours, standards, & governance
- iOS & Low-Code app solutioning
- Admin & editor of Autodesk Construction Cloud configuration
- Daily dynamic Power BI reporting on ACC cloud data
- AI, AR & Digital Twin specialist within the construction company

Examples of Functions:

- Autodesk Construction Cloud Admin
- Asset Data Management
- Data Centres
- Digital Construction
- Project App - bespoke development in iOS
- Digital Twins
- Logis-tick App - bespoke development in iOS
- Citizen Coders
- Augmented Reality Overlay App - bespoke development in iOS
- Microsoft HoloLens & Trimble Connect Deployment

Nexen / CNOOC - Manager of Information Management

Apr 2010 to Sep 2017



- Accountable for all technical drawings, docs and data on projects & in operations
- Team leader of 20 + offshore entities, budgets & organisation
- Accountable for all IM standards & governance on projects
- 6 months as PM/BA in the IT department to deploy 3D engineering software

Petro-Canada / Suncor - Technical Information Manager

Aug 2007 to Apr 2010



- Accountable for all technical standards on Oil Sands projects
- Team of 25 working on multi-\$million projects
- Accountable for technical governance of engineering contractors

Fluor Canada - Manager Plant Consulting Group

Nov 2002 to Aug 2007



- Sold & conducted consultancy with Oil & Gas clients
- Accountable for 3D model design bespoke translation apps
- Oil & Gas 3D & data design layouts on projects

CADcomp / DataCad - Senior Systems Implementor

Mar 1998 to Feb 2001



- Consulting to clients as post-sales support
- Produced bespoke solutions for 3D & data functions
- Actively coding solutions for translating data between systems

York International - Senior Design Engineer (CAD)

Nov 1991 to Mar 1998



- Refrigeration design engineer in UK & France
- Introduced 3D model design, auto BOMs & visualisations
- Creator of bespoke apps to increase efficiencies

Matthew Hall - Apprentice & CAD Design Engineer

Aug 1984 to Nov 1991



- Indentured mechanical apprentice, HVAC Building Services
- Utilised 3D modeling & CAD parallel to drawing board design
- Received 2 awards for BTEC ONC & HNC qualifications