# JIM HARVEY

Energy and Net Zero Adviser, Industrial Decarbonisation, Carbon Capture, Hydrogen, Buildings, GHG Assessment and Innovation Funding Evaluation

+44 7497 395 017 · jimcharvey@gmail.com · insightgrowthconsultancy.com · LinkedIn: jim-harvey-5676968

Radcliffe-on-Trent, Nottingham, United Kingdom · European Commission Expert ID EX2018D336592 · UK SC clearance

## Profile

Director-level energy and net zero adviser with 25 to 30 years of experience across UK central government (Head of Market Intelligence, Department of Energy and Climate Change (DECC)), public innovation funding (Innovation Lead for the Industrial Decarbonisation Challenge (IDC), UK Research and Innovation (UKRI)/Innovate UK), industry, property investment, local government and engineering consultancy. Assessed applications to and monitored projects in a £210m programme funding first-of-a-kind industrial decarbonisation, including carbon capture, utilisation and storage (CCUS), low carbon hydrogen and fuel switching across the UK's industrial clusters. Contributed to a programme whose funded projects were projected to save 10 million tonnes of carbon dioxide equivalent (MtCO2e), and which realised £982m of co-investment against a £261m target.

Brings experience from policy (DECC), funding (UKRI/Innovate UK), corporate advice (Carbon and Sustainability Director, Capgemini), property investment (The Crown Estate; Royal Institution of Chartered Surveyors (RICS) qualified Investment Surveyor) and delivery (Jacobs, which became Amentum, and JBA Consulting). This helps in judging, in one review, whether a project is technically mature, whether its greenhouse gas (GHG) savings are credible, whether it can be delivered to time and cost, and whether it can reach financial close. Registered European Commission (EC) and European Climate, Infrastructure and Environment Executive Agency (CINEA) expert since 2018. Now chairs JBA Consulting's (Jeremy Benn Associates) Energy Leadership and Coordination Group and runs JHWCC25 Ltd (trading as Insight Growth Consultancy). Writes plainly and quickly, captures discussion accurately, challenges constructively and builds trust with public, private and research partners.

## Core competencies

**Innovation Funding, Evaluation and Investment** As Innovation Lead at UKRI/Innovate UK, assessed applications to the £210m Industrial Decarbonisation Challenge, monitored funded projects against milestones and objectives, and worked directly with small and medium-sized enterprises (SMEs), technology developers and university teams, including the Industrial Decarbonisation Research and Innovation Centre (IDRIC). European Commission and CINEA expert evaluator who scores consistently against published criteria, gives clear written justification and declares conflicts of interest. Wrote JBA's European Union (EU) Horizon Europe funding review (2026) covering the European Innovation Council (EIC), Marie Skłodowska-Curie Actions (MSCA), funding rates, lump-sum funding, two-stage evaluation and intellectual property (IP) in consortium agreements.

**Carbon Capture, Utilisation and Storage** Has assessed and supported projects across the CO2 chain of capture, transport and geological storage in industrial clusters. CCUS sat at the centre of the cluster decarbonisation plans supported through the Industrial Decarbonisation Challenge, where projects were assessed for technology readiness, delivery risk, cost and emissions outcomes. Advisory Board oversight of the Department for Business, Energy and Industrial Strategy (BEIS) Next-Generation Carbon Capture Technology techno-economic analysis. Contributor to the Climate Change Committee's Deep Decarbonisation Pathways for UK Industry. Leads JBA's water-energy nexus work linked to the Humber Industrial Cluster Blueprint, the UK's largest industrial cluster by emissions.

**Hydrogen** Assessed and supported low carbon hydrogen projects, including water electrolysis and steam methane reforming (SMR) with carbon capture, as a pathway for industrial fuel switching within the Industrial Decarbonisation Challenge clusters. JBA is facilitation and technical support partner to the Hydrogen Energy Association Planning Working Group, chaired by Burges Salmon, running four sessions over sixteen months on planning and consenting for hydrogen production, storage and pipeline projects. Understands how water availability, grid connection, consenting and offtake shape whether a hydrogen project can be delivered.

**Buildings and the Built Environment** Infrastructure Building Research Establishment Environmental Assessment Method (BREEAM) Assessor. Wrote The Crown Estate's Development Sustainability Principles and applied them across offices, retail, residential, public realm, mixed-use regeneration and capital projects, with carbon, nature and resilience standards built into investment decision gateways. Senior ESG Consultant at BHB Architects. Local Area Energy Planning covering heat pumps, heat networks, solar and building retrofit. Appointed to Nottingham City Council's Energy Efficient Professional Services Dynamic Purchasing System (DPS). Circular construction informed by circular economy practice and the University of Exeter Circular Economy Masterclass. MA in Property Investment and Management, so buildings projects are judged on performance and value together.

**GHG Accounting, Emissions Avoidance and Lifecycle Assessment** World Resources Institute (WRI) GHG Protocol Corporate Value Chain (Scope 3) Accounting Standard certificate. As Carbon and Sustainability Director at Capgemini, led carbon accounting advisory covering Scope 1, 2 and 3 inventories and net zero strategy. Working knowledge of ISO 14064, PAS 2050 (product lifecycle GHG), PAS 2080 (carbon in infrastructure), the Science Based Targets initiative (SBTi), the Task Force on Climate-related Financial Disclosures (TCFD), the Global Reporting Initiative (GRI), SASB and GRESB. Tests baselines, system boundaries and assumptions behind claimed emissions avoidance, drawing on assessment work in a programme whose projects were projected to save 10 MtCO2e. Understands emissions trading and carbon markets as drivers of project economics.

**Project Implementation and Delivery** Delivered Stages 3 and 4 of Warwickshire's Local Area Energy Plan with the National Energy System Operator (NESO) regional team and distribution network operator (DNO) data. Monitored funded innovation projects through to completion at Innovate UK, tracking milestones, budgets and risk. Sustainable Infrastructure Lead at Jacobs, continuing with Amentum after the business transferred. Built JBA's energy advisory proposition from a standing start. Founded JHWCC25 Ltd and took it through formation, positioning, pricing and public sector framework places. Knows what makes projects slip, and what credible mitigation looks like.

**Finance, Bankability and Risk** RICS qualified Investment Surveyor with an MA in Property Investment and Management. Reviews business cases for bankability, cost efficiency, risk allocation and value for money. Registered consultant with the European Bank for

Reconstruction and Development (EBRD) and the Asian Development Bank (ADB). Works alongside Gary Garner FCA on project funding, capital structuring and funder due diligence through Insight Growth Consultancy.

**Report Writing, Panel Work and Communication** Native English speaker who writes concise, evidence-based reports. Chairs a cross-organisation leadership group and records its decisions and actions. Supplied programme evidence used in UKRI's published independent evaluation of the Industrial Decarbonisation Challenge. United Nations (UN) Climate Change Conference (COP26) speaker. University of Oxford postgraduate training in listening, reflective practice and group dynamics, which helps capture discussion faithfully and draw quieter voices into a consensus.

**Cities, Regions and Public Sector Advice** Local Area Energy Planning (LAEP) at Warwickshire, city climate strategy at Derby, and climate strategy and procurement at Leicestershire County Council and the Eastern Shires Purchasing Organisation (ESPO). Current engagement with six English Combined Authorities (Greater Manchester, West Yorkshire, West Midlands, Tees Valley, York and North Yorkshire, and South Yorkshire).

**Circular Economy and Resource Efficiency** Circular Economy Lead at Opportunity Peterborough, representing Peterborough in the EU Horizon 2020 FORCE project's Resource City Network. Completed the six-week Circular Economy Masterclass at the University of Exeter Centre for Circular Economy (November 2018), led by Professor Peter Hopkinson, covering the value shift, innovating for value creation, circular business models, value chain optimisation, measurement and metrics, and managing complexity. Bioeconomy decarbonisation at NNFCC and waste and energy work at Huttle. Covers recycling, reuse, industrial symbiosis and resource efficiency.

**Market Intelligence, Exporting and Growth** Former Head of Market Intelligence at DECC. Postgraduate Diploma in European Exporting from James Watt College and earlier export work in the Scotch whisky sector. Built JBA's energy go-to-market strategy benchmarked against 20 firms, with energy objectives in 14 service plans.

**Leadership, Training and Stakeholder Engagement** Training designed and delivered in every role since Innovate UK, including applicant and project briefings at UKRI and net zero training at Capgemini and Jacobs/Amentum. Executive coach through Room to Think and Grow, with a University of Oxford Postgraduate Certificate in Psychodynamic Counselling.

## Headline numbers

**£210m+**
Industrial Decarbonisation Challenge, applications assessed and projects monitored

**10 MtCO2e**
projected savings from the programme's funded projects

**£982m**
co-investment realised across the programme, against a £261m target

**£16bn**
Crown Estate portfolio, author of its Development Sustainability Principles

**2018**
registered EC and CINEA expert evaluator since

**25 to 30 yrs**
across government, industry, investment and consultancy

**6**
English Combined Authorities currently engaged

**SC**
UK Security Check clearance, valid to May 2034

## Select engagements

| Role | Client | Period |
|---|---|---|
| **Director and Founder** | **JHWCC25 Ltd (Insight Growth Consultancy)**<br>Advisory and Consultancy | May 2025 to present |
| **Executive Coach and Thought Partner** | **Room to Think and Grow**<br>Coaching Practice | Current |
| **Energy and Net Zero Strategic Advisor (incl. R&D and business growth)** | **JBA Consulting**<br>Energy and Engineering Consultancy | Feb 2026 to present |
| **LAEP Strategy Manager** | **Warwickshire County Council**<br>Local Government | Jun to Dec 2025 |
| **Sustainable Infrastructure Lead** | **Jacobs (became Amentum)**<br>Defence, Nuclear and Infrastructure | Jul 2024 to Jun 2025 |
| **Senior ESG Consultant** | **BHB Architects**<br>Architecture and Design | Mar to Jun 2024 |
| **Strategic Decarbonisation Advisor (author, Development Sustainability Principles)** | **The Crown Estate**<br>Property and Real Estate | Feb to Sep 2023 |
| **Carbon and Sustainability Director** | **Capgemini**<br>Technology and Consulting | Feb 2022 to Feb 2023 |
| **Innovation Lead in Industrial Decarbonisation** | **UKRI / Innovate UK**<br>Public Sector R&D Funding | Dec 2019 to Jan 2022 |
| **Circular Economy Lead** | **Opportunity Peterborough**<br>Regional Development | Jun 2018 to Feb 2019 |
| **Climate Strategy and Procurement** | **Leicestershire County Council / ESPO**<br>Local Government | Jan to Dec 2017 |
| **City Climate Strategy Lead** | **Derby City Council**<br>Local Government | Jan to Dec 2016 |

| Role | Client | Period |
|---|---|---|
| **Renewable Energy Consultant** | **Huttle**<br>Waste and Energy | Jan to Apr 2015 |
| **Bioeconomy Decarbonisation** | **NNFCC (National Non-Food Crops Centre)**<br>Bioeconomy Consultancy | Oct 2013 to Feb 2014 |
| **Head of Market Intelligence** | **Department of Energy and Climate Change**<br>Central Government | Dec 2012 to May 2013 |
| **Export Contractor** | **Scotch whisky exporting**<br>Food and Drink Exports | Earlier career |

## Credentials

- European Commission Expert (Unique ID n002atmu, EX2018D336592)
- CINEA Registered Expert (Participant Identification Code, PIC 867474590)
- UN COP26 Speaker (speaker listing)
- UK Climate Change Committee, Deep Decarbonisation Pathways contributor (report)
- Next-Generation Carbon Capture Advisory Board oversight, BEIS (report)
- European Bank for Reconstruction and Development (EBRD) Consultant (registered on ECEPP)
- Asian Development Bank Consultant (Registration 272542)
- UNESCO Roster of Experts member, Natural Sciences Sector
- United Nations Global Marketplace Vendor #1170827
- UK Security Check (SC) clearance, valid to May 2034
- WRI GHG Protocol and Scope 3 Certified
- RICS Qualified Investment Surveyor
- Infrastructure BREEAM Assessor
- ESG and TCFD Certificate
- Postgraduate Certificate in Psychodynamic Counselling, University of Oxford
- MA Property Investment and Management (RICS-accredited, Pass with Commendation), Nottingham Trent University
- Postgraduate Diploma in European Exporting, James Watt College
- BA (Hons) Public Administration and Management, Glasgow Caledonian University
- Circular Economy Masterclass, Centre for Circular Economy, University of Exeter (2018)
- Member, University of Oxford climate change alumni network

## Expertise in depth

Experience as a funder, policymaker, adviser and delivery partner, with an investment surveying background, makes it possible to test whether low carbon projects are technically credible, deliver the emissions savings they claim, and are investable. It also helps in showing innovators what assessors and investors look for, and give public bodies advice that fits how they decide, fund and procure. One adviser can cover technical review, GHG assessment, financial scrutiny and clear written reporting, with consistent quality and less onboarding for the client.

## Expert registrations and independent review

**European Commission and CINEA.** Registered expert evaluator since 2018 (Expert ID n002atmu, EX2018D336592; PIC 867474590). CINEA manages major EU climate, energy and infrastructure funding, including the Innovation Fund, the LIFE Programme, the Connecting Europe Facility and Horizon Europe Cluster 5. Works to the Commission's standards of independence, confidentiality, consistent scoring and conflict management.

**UKRI/Innovate UK.** Assessed applications to and monitored projects funded by the £210m Industrial Decarbonisation Challenge, and supplied programme evidence for its published independent evaluation.

**Expert advisory panels.** BEIS Next-Generation Carbon Capture Technology advisory board; Climate Change Committee industrial decarbonisation work, including representing UKRI; Scotland Net Zero Infrastructure Board.

**International development and multilateral rosters.** UNESCO Roster of Experts, Natural Sciences Sector (member). EBRD (registered supplier on ECEPP). Asian Development Bank (Consultant Management System, CMS 272542). UN Global Marketplace (Vendor 1170827). Guidepoint Global Advisors expert.

## Independent assessment approach

- **Relevance and fit.** Reads each proposal against the call text, scope and award criteria before scoring anything.
- **GHG emissions avoidance.** Tests the baseline, reference scenario, system boundary, lifecycle stages, data sources and assumptions behind the claimed savings, and checks the calculation is consistent with the methodology required.
- **Degree of innovation.** Compares the technology or process with the current state of the art and with what is already deployed at commercial scale.
- **Project maturity.** Checks technology readiness evidence, permits and consents, grid and water connections, offtake, feedstock supply and the delivery plan, including milestones, governance and risk mitigation.
- **Financial maturity and cost efficiency.** Reviews the business case, financing plan, funding gap and route to financial close, and the cost per tonne of emissions avoided.
- **Scalability and replication.** Considers whether the solution can be repeated across sites, sectors and Member States, and its wider market impact.
- **Written output.** Scores consistently, writes short evidence-based comments applicants can act on, and works to consensus on evidence rather than opinion. Declares any conflict of interest before starting.

## Areas of expertise

- Carbon capture: CO2 capture at industrial sources
- CO2 transport networks and geological storage
- Industrial cluster decarbonisation
- Low carbon hydrogen: water electrolysis
- Hydrogen from SMR with carbon capture
- Hydrogen planning and consenting
- Industrial fuel switching
- Emissions reduction in manufacturing industries
- GHG accounting (GHG Protocol, Scope 1 to 3, ISO 14064)
- GHG emissions avoidance assessment
- Lifecycle and value chain carbon (PAS 2050, PAS 2080)
- Emissions trading and carbon markets
- Energy systems and energy storage
- Renewable electricity: offshore wind and solar
- National energy policy and market analysis
- Sustainable buildings and green building certification (BREEAM)
- Energy-efficient building systems, heat pumps and heat networks
- Circular and modular construction
- Built environment and retrofit
- Project appraisal, bankability and risk
- Investment surveying and property investment
- Innovation funding and programme evaluation
- EU funding routes (Innovation Fund, Horizon Europe, LIFE)
- Local and regional energy planning (LAEPs, Combined Authorities)
- Water-energy nexus
- Circular economy, recycling and reuse
- Bio-based manufacturing and the bioeconomy
- Climate adaptation and resilience
- Public sector procurement of climate and energy services
- Exporting and international market entry

## Selected case studies

**UKRI/Innovate UK, Industrial Decarbonisation Challenge (2019 to 2022).** As Innovation Lead, assessed applications to the £210m Challenge and worked with industrial clusters, SMEs, technology developers and university teams, including IDRIC, on projects covering CCUS, low carbon hydrogen, fuel switching and energy efficiency. Monitored funded projects against objectives, budgets and milestones, challenged delivery risk and emissions claims, supported applicants, and designed and delivered training. Across the programme, funded projects were projected to save 10 MtCO2e and realised £982m of co-investment against a £261m target. The independent evaluation is published by UKRI. Independent evaluation

**BEIS Next-Generation Carbon Capture Technology.** Advisory Board oversight of a techno-economic analysis of emerging carbon capture technologies, covering performance, cost, technology readiness and routes to deployment. Report

**Climate Change Committee, Deep Decarbonisation Pathways for UK Industry.** Contributor to the evidence base on pathways for deep emissions reduction in UK industry, including CCUS, hydrogen fuel switching, electrification and resource efficiency. Report

**Hydrogen Energy Association Planning Working Group (2026 to 2028).** JBA is facilitation and technical support partner to the Working Group, chaired by Burges Salmon, running four sessions over sixteen months on planning and consenting barriers for hydrogen production, storage and transport projects.

**The Crown Estate, Development Sustainability Principles (2023).** As Strategic Decarbonisation Advisor, wrote The Crown Estate's Development Sustainability Principles (Version 4.0, published 2024) and developed them for use across every sector of The Crown Estate's £16bn portfolio: offices, retail, residential, public realm, mixed-use regeneration and capital projects. Ten themes cover carbon, nature, resilience, health, inclusion, employment and skills, local procurement and community investment, with standards every supplier must commit to, including Employment and Skills Plans, the Real Living Wage, payment within 30 days, 35% SME sub-contractors and Community Investment Plans. Tied the principles to investment decision gateways and a stage-by-stage tracker, so environmental and social value are tested alongside financial value. Also supported offshore wind social value outcomes, apprenticeships and work on the rural estate.

**JBA Consulting, energy and net zero advisory (2026 to date).** Built JBA's energy and net zero advisory proposition from a standing start, including a go-to-market strategy benchmarked against 20 firms and energy objectives across 14 service plans. Chairs the Energy Leadership and Coordination Group, leads water-energy nexus work linked to the Humber Industrial Cluster Blueprint, maps offshore wind, battery storage, solar and transmission investment, engages Combined Authorities across six English regions and leads analysis of the UK resilience market.

**Warwickshire County Council, Local Area Energy Plan (2025).** As LAEP Strategy Manager, delivered Stages 3 and 4 of the county's Local Area Energy Plan with NESO's regional team and DNO data, assessing heat pumps, heat networks, solar, building retrofit and grid options and linking them to local growth, planning and investment priorities.

**Capgemini, carbon accounting and sustainability (2022 to 2023).** As Carbon and Sustainability Director, led carbon accounting and sustainability advisory covering Scope 1 to 3 GHG inventories, value chain emissions and net zero strategy, and delivered net zero training for client and internal teams.

**Horizon 2020 FORCE project, Resource City Network (2018 to 2019).** As Circular Economy Lead at Opportunity Peterborough, represented Peterborough in the Resource City Network of the FORCE project (grant 689157), led by Copenhagen with Hamburg, Lisbon and Genoa. Attended the Hamburg workshop in person in October 2018 and worked with partner cities on value chains for plastics, wood, food and bio-waste, and strategic metals from electronic waste. Direct experience of an EU-funded project. FORCE project

**Horizon Europe funding review (JBA, September 2026).** Produced a detailed review of Horizon Europe routes for a UK engineering consultancy: a critique of its EU bid experience and a reference to instruments open to UK entities (European Research Council (ERC), MSCA, EIC, EU Missions, WIDERA and the Pillar 2 clusters, including Cluster 5 Climate, Energy and Mobility). Covered funding rates (RIA and IA), UK association terms, the 2026 to 2027 move to lump-sum funding and two-stage evaluation, consortium agreement and IP positions, and a gating framework for bid decisions.

**Department of Energy and Climate Change (2012 to 2013).** As Head of Market Intelligence, provided energy market analysis and evidence to inform national energy policy across renewables, energy efficiency and low carbon technologies.

**Local government (2016 to 2017).** City climate strategy at Derby City Council, and climate strategy and procurement at Leicestershire County Council and ESPO, giving first-hand knowledge of how public bodies plan, procure and deliver decarbonisation.

**Exporting: Scotch whisky (earlier career).** Worked as an export contractor in the Scotch whisky sector, supported by a Postgraduate Diploma in European Exporting from James Watt College.

## Publications, evidence and speaking

- Contributor, Climate Change Committee, Deep Decarbonisation Pathways for UK Industry (2020)
- Advisory board oversight, BEIS, Next-Generation Carbon Capture Technology techno-economic analysis
- Programme evidence, UKRI, Industrial Decarbonisation Challenge final impact evaluation (2024)
- Speaker, UN COP26, Glasgow (2021) (speaker listing)
- Author, Horizon Europe funding review for JBA Consulting (2026)
- Plain-English practitioner guidance for councils and community energy groups

## Memberships and networks

- Member, Scotland Net Zero Infrastructure Board
- Member, Sustainable Scotland Network
- Subscriber member, Climate Markets and Investment Association
- Subscriber member, Institutional Investors Group on Climate Change
- Member, University of Oxford climate change alumni network
- Expert, Guidepoint Global Advisors

## Languages and availability

English (native). Available at short notice for remote assessment, panel and reporting assignments, with capacity alongside current commitments. Will propose the best mix of remote and in-person working for each assignment and is happy to discuss.