

PROFESSIONAL PROFILE: DR ALAN JAMES

Operating since 2002 through his consulting vehicle, Expert Alliance, Dr Alan James is an exceptional business leader with broad strategic experience of leading major projects and complex business innovations. His skills include:

- **defining** projects ranging from local initiatives to multi-billion dollar infrastructure;
- **refining** their business, funding and policy proposals;
- **developing** their promotion, marketing and brand strategies; and
- **communicating** their policy, political and commercial cases at the highest levels of Government and business, with vision, precision and authority.



Alan has experience of presenting and negotiating in person with Heads of Government and Board leaders of multinational businesses. In 'Modern Mobility' his experience since the start of the 21st Century includes the major roles listed below. This makes him the only person on the planet to have directed a Government level business case for *all* of 300 km/h high speed rail, 500 km/h maglev, and 1,000 km/h hyperloop.



Vice President Worldwide Business Development Virgin Hyperloop One.

Established worldwide sales activity for the 1,080 km/h transport system originally proposed by Elon Musk in 2013 and demonstrated as a full-scale, fully functional prototype, by Virgin Hyperloop One in 2017. Lead point of contact for Governments and businesses from Australia to Finland and from the Netherlands to Canada.



Project Director HS2 - The Stoke Route.

Lead adviser to a city-driven project to enable the UK's High Speed 2 railway to serve more cities, to save £5 billion capital cost, and to allow services to start 7 years earlier than planned. This project secured a commitment to an HS2 service for the City of Stoke-on-Trent, which would otherwise have been bypassed, and its economy severely damaged by, the first domestic high speed railway to be built in Britain.



CEO UK Ultraspeed.

Instructed and funded by Siemens and ThyssenKrupp, initiated and led project development for the 311mph maglev alternative to 186 mph conventional rail High Speed 2. Role included direction, leadership and P&L sign-off for the multi-million planning and promotional phases of the Western world's most highly developed business case for 'next generation' ground transport.

Investing, Innovation & Advocacy: Focus on Smart Energy and Modern Mobility

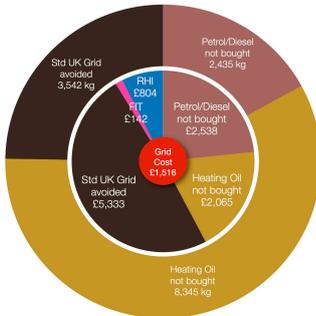
Leveraging his experience at the (often complex) intersection of advanced technology, innovation and finance, Alan invests in a rigorously-selected portfolio of companies with the potential and the products to bring about major transformations. He focusses mainly on GreenTech businesses leading the drive towards Net Zero emissions and highly innovative companies creating "faster, better, cheaper, greener" transportation and mobility. Alan also acts as a strategic adviser to Namier Capital around GreenTech and innovation investment.

Policy and Strategic Advisory

Alan has acted in Project Director and Subject Matter Expert roles for a number of significant (and typically confidential) projects, both personally and as the lynchpin of wider consortia. Broadly addressing decarbonisation and innovation, he has provided advice to the European Union, No 10 Downing Street, and the Saudi, Finnish & Dutch Governments.

GREEN TECH

In addition to his professional focus on Modern Mobility, Alan is deeply involved in the Smart Energy sector, working with innovators and investors shaping the energy economy as the world transitions to Net Zero Carbon. His (confidential) activities in this sector include providing advice to developers of Grid Scale Energy Storage at the 'heavy infrastructure' end, to property investors seeking to achieve Carbon Positive in residential and leisure developments, through to 'person portable' GreenTech including solar charged, battery powered, heating for refugee use in disaster relief.



Alan has also 'put his money where his mouth is' on GreenTech on a personal, domestic, scale. Having personally invested in decarbonisation by radical innovating around the generation, storage and consumption of energy in his home and EVs, Alan 'walks the talk' by publishing **How To Electrify Your Life, Save Loads of Money & Save The Planet Too** (electrifylife.co.uk) This website makes one of Europe's most comprehensive datasets available to the public, and also offers practical advice to thousands of visitors seeking to achieve both multi-£k financial savings and CO₂ reductions measured in tonnes.

SKILLS OVERVIEW

Alan has proven ability to direct teams spanning strategy, engineering, finance, policy/politics & communications. He is known for elegant and economical presentations to decision-makers at the highest levels of Government and business, distilling complex commercial and technical information into clear, concise and costed proposals.

He is also experienced in harnessing broadcast and print media to communicate with the public. He is an award-winning presenter, an inspiring team leader, and a Freeman of the City of London.



In the transport, infrastructure and strategic projects field generally, Alan has the experience required to lead and/or advise upon the development process for major projects from initial concept definition and economic benefit analysis, through demand, service and revenue modelling, into capital costing and project finance negotiation (including PPP), and on into detailed planning for construction and operation. Given his extensive leadership experience in hyperloop, maglev and conventional wheel-on-rail high speed rail systems, he is the world's foremost expert in very high speed transport systems.

From his experience promoting the fastest transport systems on earth, Alan has strong awareness of the vital importance, to both society and business, of optimising carbon economics of any undertaking, and of rigorous focus on Net Zero.

Languages Near bi-lingual in German. Fluent French, currently a little rusty. Basic Italian.

Media Multiple broadcast, print, online and in-person appearances re hyperloop, maglev and high speed rail. Briefed and directed media agencies to generate specialist and general public press coverage. A typical video briefed by, and featuring, Alan is [here](#).

Diplomacy Negotiated with Heads of Government, Ministers and key Civil Servants, and contributed evidence to parliamentary enquiries, etc. Fully familiar with the protocols and confidentiality requirements of such activities.

TRACK RECORD

A selection of Alan's assignments is presented below.

2020 - 2022 Hyperloop Project Expert (with Roland Berger) for the Kingdom of Saudi Arabia



Coordinating a world class team of technical, infrastructure, policy, and project finance experts assembled by Roland Berger, Alan led a programme advising the Saudi Royal Court on investments and practical measure that could be undertaken to advance $\geq 1,000$ km ground transport from R&D, through Proof of Operations, to full passenger service. The role included definition of appropriate Governmental programmes, technical facilities, competitive procurement process, investment structures and a legal framework designed to facilitate fundamental innovation in infrastructure.

2019 - Present Hyperloop Advisory Consultancy to InnoEnergy (EU Body)



Alan has provided policy advice through the EU's lead entity in the hyperloop market, InnoEnergy, on various topics including: establishment of European Hyperloop Centre to develop core technology; a Europe Hyperloop Alliance to align investors, industry and EU institutions around delivery; and preliminary planning for a $\geq 10,000$ km and $\geq 1,000$ km/h network addressing the 'Four Cs' on a European Scale – Connectivity, Competitiveness, Cohesion & Carbon.

2015 - 2018 Vice President Virgin Hyperloop One.



With projects spanning the globe from Finland to Australia, Alan was the primary contact for cities, regions and countries seeking to revolutionise their transport and economic competitiveness with Hyperloop One networks, operating at speeds up to 300 metres per second (1,080 km/h or 671 mph). In Europe, Alan led the company's engagement with the EU and the Governments of Member States where hyperloop projects are proposed.

2014 - 2015 Project Director: Foreign and Commonwealth Office (FCO)



Commissioned by the Chief Executive of FCO Services, Alan provided strategic advice on improving the efficiency of the UK Government's Diplomatic Service.

2013 - 2015 Project Director: HS2 - The Stoke Route



Lead adviser to a major project, instructed by Stoke-on-Trent City Council, to redesign Phase 2 of the UK's planned high speed rail network. The key outcome, secured by this project, was to ensure a high speed rail service for the city, which would otherwise have been bypassed and its economy damaged.

2010 - 2013 Project Director: PZ Cussons Int'l Ltd: Manchester/Lagos



Role included defining and leading delivery of a £50+m JV capital project and associated consumer product launch, in Nigeria, one of the world's most dynamic, but difficult, business environments. Included developing the business case to manufacture UNICEF's famine-relief foodstuff close-to-use in Africa, rather than import. Also led on global location search / tax optimisation for IP domiciling and R&D activities.

SIEMENS



2003-2010 CEO: UK Ultraspeed

Funded by Siemens AG and ThyssenKrupp, Alan had sign-off authority and P&L responsibility for the multi-million pound business planning and promotional phase of a strategic maglev project with an out-turn value of ± £30 bn. Role included presentation of at Heads of Government level, development of a full SPV business case and spearheading influencer and public communications.

2002: Project Lead: National Rail Academy & Strategic Rail Testing Centre

Instructed by a public sector consortium, Alan led a team which developed the business, policy and political cases for a UK National Rail Academy [NRA]. Alan also led the related study of a potential National Strategic Rail Testing Centre, to break the commercially and politically damaging 'log jam' of expensive new trains unusable for want of acceptance certificates.



Alan presented this proposal to Ministers. Both proposals became UK Government policy with publication of the Strategic Rail Authority's ten year Strategic Plan. Taken forward as the Centre for Rail Skills, NRA was selected as the first specific initiative to be headlined at the public launch of the Plan.

2002: Nuclear Decommissioning Authority [NDA]

Recognising the strength of Alan's work in developing the National Rail Academy, an NDA task force commissioned him to advise on a nuclear skills-building and skills retention system. Alan recommended an industry-owned, Government-regulated Nuclear Skills Passport, designed to ensure that an auditable system of safety-critical skills withstands the pressures of fragmentation as contractorisation is introduced to the sector. Several core recommendations have been implemented.



Consulting assignments prior to establishment of Expert Alliance in 2002

European Union for the Government of Poland

As part of a team funded by the EU PHARE programme, Alan authored the National Tourism Product Development Strategy for the Polish Government. This mapped the industry for 1997–2005 and beyond. It included a Brand Development Programme for the Polish tourism industry, and policy advice on establishing a dedicated Tourism Investment Fund, bringing together state funding guarantees and commercial bond funding. This was 'sharp end' consulting, conducted against a background 100,000 job losses and catastrophic decline as Poland's formerly communist (and grotty) tourism industry was opened to global competition.



Eurotunnel

Commissioned by Eurotunnel, Alan delivered a strategy for major commercial development in Ashford to support the company's property & traffic strategies





Alfred McAlpine plc

Lead consultant on the creation of a new industry in 'sustainable stone', recycling the 300 million tonnes of waste by-products of the Victorian slate mining industry in Blaenau Ffestiniog, as a replacement for virgin aggregate in contemporary building projects. Alan's work here laid the foundations for an EU Objective 1 funding bid.



Vinopolis City of Wine

Commissioned by the owners and promoters of one of London's largest indoor events venues, created in Victorian railway arches in Central London, Alan advised on the business plan and on co-using 'live railway' property assets for new uses.



Invest Hong Kong

Working to support the PwC team advising HK's new inward investment agency, Alan led a research project to define HK's locational advantages for a number of key global industries and made recommendations on how best to communicate those advantages to inward investment decision-makers.



Mick Jagger Centre

Advised on successful Lottery fund bid for a music/performance centre at Mick Jagger's former school in Dartford. Involvement included attending formal opening by Mick Jagger, which was memorable for a seductive *pas de deux* danced by Mr Jagger and ballerina/broadcaster Deborah Bull, representing the funding body.

EDUCATION

Alan studied at the University of Sussex, UK. His qualifications are tabulated below.



PhD	1988	Thesis analysed how German wartime systems (notably the V2 rocket and cybernetics) evolved into the key technologies of the Cold War.
MA	1986	Thesis on centre/periphery economics and the changing relationship between cities, regions and countries in the then newly-emerging global economy.
BA	1985	English with German in the School of European Studies.