WHERE DEEP SCIENCE MEETS GOVERNMENT

Make sense of the future

Using the collective intelligence of scientists working at the frontiers of innovation

WHY YOU SHOULD WORK WITH US

The brightest minds from world-leading scientific institutions + Leading-edge foresight and futures methodology = Evidence-based technology foresight with multidisciplinary depth and breadth that can't be matched

Outsmart Insight is a London-based technology monitoring and forecasting company. We help government departments and global R&D companies to get smarter about the future impact of emerging technologies. All of our work is informed by the collective intelligence of a global network of 1000+ experts from world-leading universities.

If you would like more information please contact us using E: futures@outsmartinsight.com  T: +44 203 393 9694
HOW WE CAN HELP

Trend Research
Acquire a strategic and comprehensive overview of emerging trends, identifying the key players and driving forces shaping the global landscape

Systematic Horizon Scanning
Stay ahead of change and disruption with systematic monitoring and analysis of breakthrough developments, in real-time

Future Forecasting
Plan ahead with a deep understanding of the future using quantitative forecasts, charting long-range and trends and the disruptors of tomorrow

MEET THE CORE FUTURES TEAM

Alex Ayad
Director, Strategy
Alex heads strategic client engagements, including the design of bespoke futures tools, techniques and methodologies for client projects globally. He led the Tech Foresight Practice at Imperial College, delivering workshops and events on behalf of multinational companies and the World Economic Forum. He holds a Physics BSc and Nanotechnology MRes.

James Semple
Senior Analyst
James leads the delivery of futures workshops for a host of clients, including with UK Government bodies and FTSE 100 R&D companies. His areas of specialism cover deep tech domains, including IoT devices, advanced computing, quantum systems and communications. He holds a Physics BA and PhD in nanoelectronics from Imperial College London.

Florence Downs
Futures Analyst
Florence leads our horizon scanning capability, and manages teams of science and technology contributors from world-class academic institutions. Her areas of specialism include synthetic biology, brain-to-machine communications and foresight writing. She holds a PhD in synthetic biology from Oxford University.

Jim Hickey
Futures Analyst
Jim leads our capability areas in autonomy and autonomous systems, as well as haptics. He manages specialist teams of subject matter experts from world leading universities for the delivery of insight and long-range technology foresight to clients in defence and aerospace sectors. He holds a PhD in advanced materials from Imperial College London.

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CAPABILITY AREAS

A futures tool for every challenge

Horizon Scanning
Identifying weak and strong signals of change

Trend Forecasts
Charting trend evolution over time

Mapping Shifts
Identifying shift from the present to the future

Global Hotspots
Surveying geographic distributions of prime actors

Scenario Planning
Envisioning alternative futures

Roadmapping
Visualise future development pathways

Delphi Methods
Prioritising strategically important issues

Driver Analysis
Benchmarking the certainty of outcomes

Ecosystem Mapping
Contrasting key attributes

Take a long-term view
Discover which state-of-the-art technologies today will become disruptors of tomorrow

Cut through the hype
Chart the future with an empirical view of trends underpinned by scientific evidence

Promote a culture of innovation
Inspire people in your organisation to explore the riskier endeavours

Stay ahead of change
Foressee what is coming over-the-horizon from new innovations and their future impact

Visualise with clarity
Get a comprehensive overview of how the landscape is changing over time

Free up your valuable time
Focus on taking action, not time-consuming activities such as evidence gathering

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Quantum Computing: Implications for national security & defence policy

Future advances in quantum computing pose potential opportunities and threats to national security. Supporting the IRIS Team to inform the Chief Scientific advisor to the Ministry of Defence, Outsmart Insight assessed state-of-the-art quantum technologies and provided roadmaps for their development. We forecasted future scenarios and revealed worldwide innovation hotspots, the scale of private and government investment, and the intensifying efforts by nation states to seek a first-mover advantage.

Contributors: 10 physicists, 4 computer scientists, 3 chemists

Visions beyond 2030

Bringing the world’s largest corporate R&D investors and visionary academic minds together to solve the biggest challenges for food security, energy security, urban mobility and water scarcity requires big picture, long-term thinking. Outsmart Insight supported world-class academics at KAUST to develop compelling, provocative visions of the future for a post-2030 world, with research on global systematic drivers, key players, and breakthrough lab innovations, as well as narrative forming, storytelling and speaker coaching.

Contributors: 2 policy, 5 neuroscientists, 4 physicists, 3 biologists, 2 chemical engineers

What will today’s emerging technologies make possible in 2050

The Eurofighter Typhoon is one of the world’s most technologically advanced fighter aircraft. Outsmart Insight worked with the concept engineering team behind the Typhoon to produce first-of-a-kind quantitative forecasts on a wide variety of technology disruptors and future concepts. Over 30 unique reports were developed, each charting how the performance of a technology field will evolve over the next 30 years, and explored the prevailing trends, state-of-the-art prototypes, weaks signals, barriers to progress, and key drivers to enable future innovation in aircraft design.

Contributors: 18 electronic engineers, 11 material scientists, 9 roboticists, 8 AI and machine learning; 5 neuroscientists, 5 data scientists, 7 physicists, 3 chemists
THE BREADTH OF OUR EXPERTISE

Tap into our global network of 1000+ experts at the forefront of innovation, science and technology

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