

PCSG Capability Statement

Professional Construction Strategies Group

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Information Management & BIM Levels 2, 3 & 4



Business Systems Design & Delivery



Social Sustainability



Environmental Sustainability



Documentation & IMS



Bid Management Services



Mobilisation Services



Organisational Sustainability



excellence // flexibility // integrity // partnership

In 2014, PCS, ECS and Earth to Ocean (E2O) came together to form PCSG.

The PCSG group delivers services internationally to help ensure the sustainability of our clients' businesses in all respects – financial, social and environmental. We work with them towards a shared vision: **infinitely smarter futures**.

Our values of **excellence, flexibility, integrity and partnership** lie at the heart of everything we do.



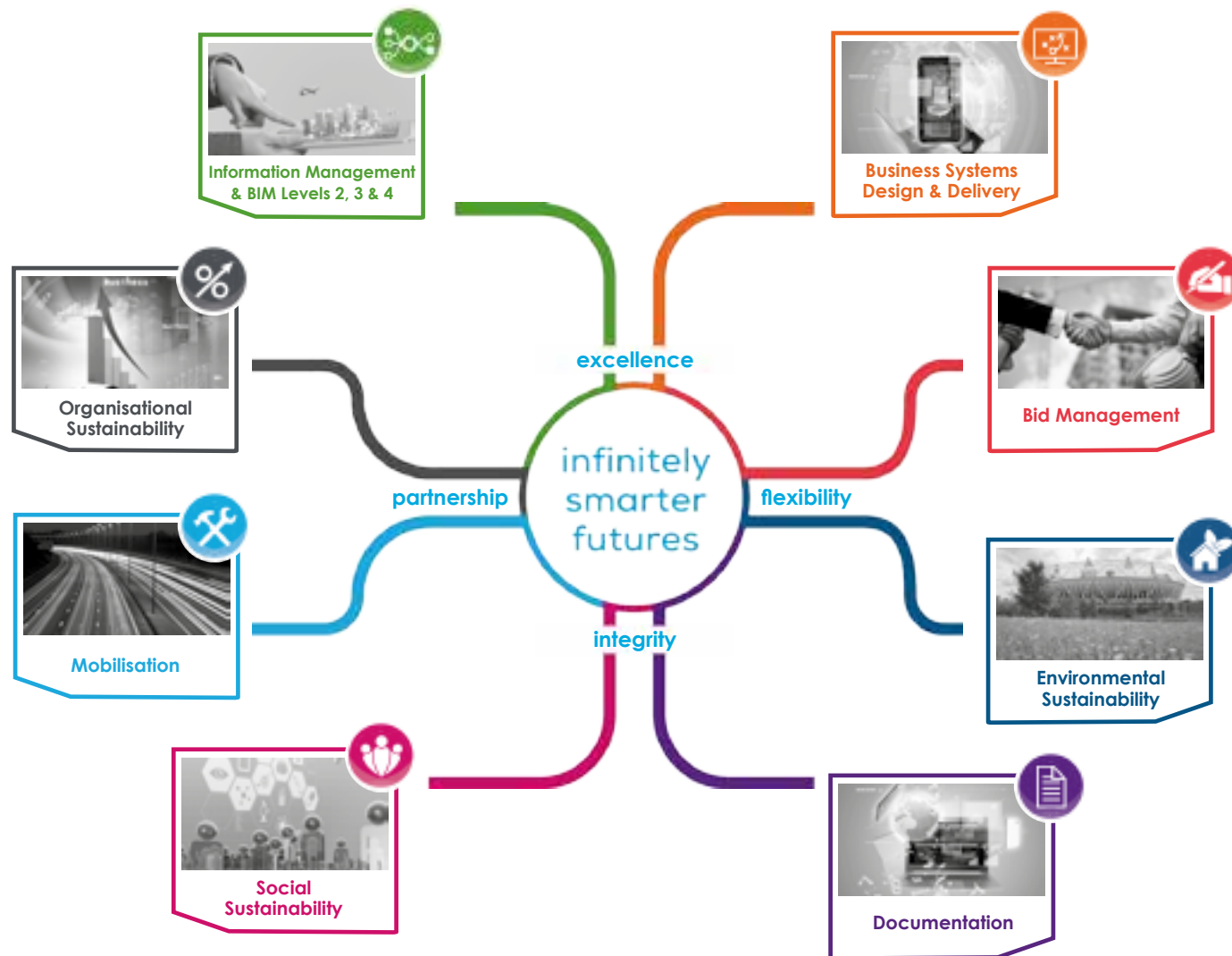
Established in 2000, PCS specialises in providing bid management and related services to our clients, specialising in the construction, FM and transportation sectors.



Established in 2011, ECS is at the leading edge of digital data strategies in the construction sector including BIM, business systems and IP solutions.



Established in 2009, E2O specialises in providing wide ranging services which enhance our clients' environmental outcomes.



We work with a wide range of organisations in the public and private sectors in the UK, Europe and internationally.

Our Services



Information Management & BIM Levels 2, 3 & 4

We provide information management strategies, plans and project delivery for BIM Levels 2, 3 and 4 and specialist data analytics services, a niche area where the UK has taken a leading role in driving 20% savings in public sector costs.

- Management of design information (BS7000 Part 4)
- Management of construction information (PAS1192 Part 2)
- Management of operational phase information (PAS1192 Part 3)
- Strategic planning for BIM
- Implementing BIM solutions
- Data procurement & validation
- Data analytics, data security, data protection
- R+D program to define level 4



Business Systems Design & Delivery

We offer the design and delivery of new business systems to suit the needs of major client and design and construction businesses with a clear focus on driving business improvement, productivity, value and cost savings.

- Strategic design and business case
- Strategic business systems design & information system design
- Business process mapping and data requirements analysis
- Implementation delivery of strategy & system design
- Project management, supplier selection and management
- Configuration and delivery - commissioning and hand over
- Training and data preparation
- Health checks and critical review
- Security
- Link Open Big Data analytics



Bid Management Services

Our wide range of services includes bid management, facilitation, bid writing, review & improvement, graphics, formatting, production and behavioural assessments & interview preparation.

- Bid management, bid co-ordination and document control
- JV team working & cultural alignment
- Capture planning and win strategy
- Bid kick-off and workshop facilitation
- Writing plan development, bid writing and technical authoring
- Bid response review and improvement
- Bid graphics, theme design, formatting and production
- Presentations design, content, coaching
- Behavioural assessments & interview team preparation



Environmental Sustainability

We offer a wide range of environmental services to save clients money, enhance their environmental outcomes and build a strong ethical reputation for organisations.

- Strategy, policy development, CSR, training
- 14001 systems design and implementation
- Green BIM, data management and reporting
- Rapid Energy Modelling (REM)
- Construction site support and supply chain management
- Green travel plans
- Performance measuring, monitoring and management

Our Services



Documentation & IMS

We can design and produce large and complex integrated systems documentation, including Integrated Management Systems for client businesses and major construction projects.

- Design and concept of complex system documentation
- Process mapping and information design
- ISO9001 systems design and implementation
- Lean techniques
- Interviewing, writing, editing & proofing content
- Business reporting tools & templates
- Formatting, hyper-linking and production
- BIM integration into Business as Usual



Social Sustainability

Enhancing social sustainability is key to business improvement and ultimately business success. We work with clients to agree their objectives and then design and deliver improvements.

- Organisation cultural maturity assessment & development
- Training & development
- Recruiting, retaining and developing the right people culturally
- High performance team development
- Behavioural assessments (client and supplier side)
- BIM Level 4 research and design
- Local authority e-services



Mobilisation Services

We work with clients using our diverse skills and experience to de-risk the mobilisation phase. This is one way we help our clients to achieve better project outcomes.

- Tender commitment briefings & workshops
- Convert tender plans to project execution plans
- Development of Integrated Management Systems
- Mobilisation planning, site induction design & delivery
- Business systems design & IT infrastructure solutions
- Project communication plans & stakeholder liaison
- Project controls & reporting
- Soft landings

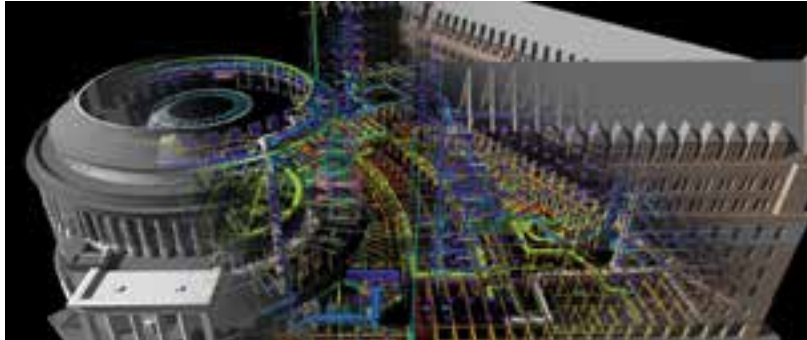


Organisational Sustainability

Embedding the right culture, governance, risk management, change management and CSR to keep an organisation of any size sustainable, usually means drawing on the experience of others.

- Business & Marketing planning
- Best practice bid toolkits & processes
- Change management
- Process definition & information design
- Risk management
- Governance system design
- Restructures

Case studies



// BIM STRATEGY & IMPLEMENTATION

Our Chairman, Mark Bew, was instrumental in developing & implementing the UK Government BIM Level 2 strategy and recently forming the Level 3 strategy.

Collaborating with several hundred industry professionals to agree the Level 2 strategy and integrate it with wider Government Construction Strategies, Mark activated a delivery team to mobilise government departments and the supply chain.

Within the Strategic BIM Implementation Plan all workstreams are achieving measurable deliverables, significantly reducing costs through early operational understanding and de-scoping non-essential items, as well as 20% time savings.

In 2014, Mark led the development of the Level 3 BIM Strategy, which is due to be launched in February 2015.

Our experience to team has also worked with numerous developers constructors, designers, operators and utilities to develop world class solutions.



// DOMESTIC & INTERNATIONAL BIDS

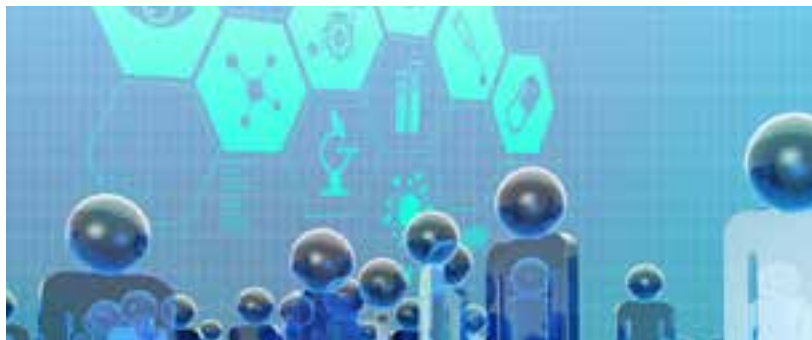
For over 14 years, PCSG has played a significant role supporting all manner of bids in the UK and major projects in Europe, Australia, north & south America and Africa.

Our international experience includes A\$6 billion (£3.3 billion) East West Link in Melbourne, El Teniente Mining Tunnels in Chile, Ohio River Bridges Project in the USA and Lusail Iconic Stadium in Qatar. Support included co-location of our key team members, time zone utilisation of the UK and Australian offices creating 24 hour working and specialist technical writing inputs such as tunnelling on the Doha Metro bid.

Our teams have also worked post-bid to develop management plans, procedures and other deliverables needed to fulfil client requirements for example on the €1.5 billion Doha Metro project in Qatar and the Ohio River Bridges in USA.

It is our knowledge of the design and construction process and asset management which makes all the difference to the bids we support.

Case studies



// SOCIAL SUSTAINABILITY

PCSG supports clients in a wide range of social sustainability activities including high performance teams, training, coaching and cultural maturity development.

For behavioural assessments we take the Client's evaluation criteria and information available and use a combination of team exercises and realistic industry scenarios combined with 1:1 coaching when needed. This results in well prepared teams possessing enhanced collaborative working expertise.

The Client requirement for AMP6 was to select partners that could work with United Utilities to drive collaborative change. Our key partner, Consulting People Limited based the assessment method on their Organisational Maturity Hierarchy®, testing the bid teams ability to move between maturity levels.

The requirement was to design and deliver a series of behavioural assessment workshops to test the bidding teams' ability to collaborate and drive change with regulatory environmental and technical changes, for example BIM, which will affect the market place and the abilities of all parties.



// ENVIRONMENTAL SUSTAINABILITY

Earth to Ocean, part of PCSG, is busy supporting Ben Ainslie Racing (BAR) and the America's Cup campaign.

Earth to Ocean has supported BAR and its America's Cup campaign since it was initially conceived by Sir Ben Ainslie.

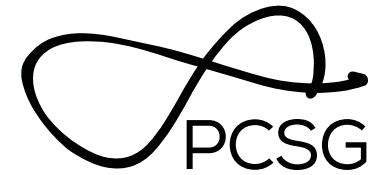
Work includes sustainability guidance for the new Team Base in Portsmouth to ensure it reaches BREEAM 'Excellent' certification; making it a showcase of how well a building can perform, even with extremely demanding activities taking place within.

Support will continue throughout the America's Cup campaign, advising on innovative technology to reduce the project's carbon footprint and to improve overall sustainability. This will be achieved using a variety of methods including effective waste management, reduction in support boats fuel use and commissioning research into sustainable manufacturing and disposal of composite materials.

We are also using Rapid Energy Modelling and Green BIM to help deliver effective green e-solutions. We are working with local authorities to develop strategies to use BIM data to enable key sustainability e-services.

Contact Details

earth2ocean.co.uk // www.pcsbg.co.uk



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infinitely smarter futures

**PCSG // 10th Floor, Corinthian House
17 Lansdowne Road - Croydon - CR0 2BX**

**Telephone: +44(0)20 8680 4120
Email: enquiries@pcsg.co.uk**



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