



[We Are An Independent Firm Of Technical, Business And Organizational Consultants, Engineers And Technical Specialists Offering A Broad Range Of Professional Services.]



Cadmium is one of the leading independent engineering, project management and consultancy firms providing unique technical concierge services.

Our engineering consultancy is entirely independent; we are therefore able to give impartial advice in the best interests of our clients.

Cadmium delivers the technical plans and provides engineering consultancy and services for infrastructure projects in various key sectors, such as manufacturing & industrial plants; energy from onshore & offshore oil & gas developments; power generation & distribution facilities and solid minerals mining.

Engineers as well as organizational and business consultants work worldwide on solutions for exploiting regenerative energy sources, energy-efficient concepts, and advice on all aspects of emission trading to reduce

With the effective combination of corporate consultancy at the interfaces of technical planning and engineering consultancy, cadmium provides customized solutions to take you beyond ordinary.



Our Services Include



1. Technical Due Diligence

Cadmium provides design, engineering,

construction, project development and

management, industrial psychology, safety and environmental services to industries ranging from manufacturing, energy, petrochemicals to power generation and solid minerals.



Services to industrial clients range from discrete consultancy assignments to the design and

project management of complete process plants.

2. Engineering Services



3. Project Management



We leverage on our pool of diverse international experts to provide top quartile technical and business services that take your



4. Organizational Engineering



Technical Due Diligence

Our team has a proven capacity to provide the skills, experience, rigor and innovation required to enable projects to reach financial close.

We apply the skills and knowledge gained through active development, procurement and construction projects to ensure our due diligence work is well informed, realistic and accurate.

Our experience ranges from the appraisal of emerging and established technologies, supporting the acquisition and refinancing of assets and companies, to the assessment, negotiation and close of major infrastructure projects.

We advise project developers, lenders, venture capitalists, public authorities, contractors and industrialists. A key part of our advisory work is the assessment and mitigation of risks and supporting the development and negotiation of the contractual frameworks within which projects are delivered. At cadmium we ensure that you are not dangerously hanging whether walking into a technical event or taking on a complex project, so we provide support in the following key areas:

- Opportunity Appraisal.
- Incident Investigation
- Concierge Technical Advisory
- Shadow Engineering



Specialist Technical Services

We deliver solutions to today's challenges by fostering unmatched technical skills. Worldwide, organizations must adapt to unparalleled economic, social and technological change. There is more pressure than ever to deliver more from less, of higher quality, more quickly.

Cadmium's technical specialists have deep expertise and ingenuity; they share an inventive, joined-up approach and thrive on problem-solving. We don't rest until we find the best possible solutions to our clients' challenges.

For each challenge, we define 'best' as the right combination of quality, economy, innovation and efficiency to meet our client's individual business needs.

At Cadmium, specialists aren't confined to the 'back room'. We are leaders in our fields, and are deeply engaged with our professional and social communities. For clients, our specialists bring not only a tight focus to niche problems, but they can also pool expertise in new ways to develop highly original, improved responses to complex multifaceted situations.

Design To Improve And Delight

Cadmium's technical specialists craft solutions that make the transformative technological changes that improve Businesses and Communities.

Cadmium works closely with its clients to create winning technical solutions and deliver successful engineering and consultancy projects.

Our Consulting Engineers proven technical and commercial skills can assist in reducing risk, improving efficiency and maximizing innovation. Our team is highly proficient in the development and delivery of complex engineering projects under different procurement models.

Cadmium is involved in all aspects of engineering design, including:

- Feasibility Studies & Conceptual Development
- Infrastructure Engineering
- FEED Studies
- Detail Engineering Design
- Industrial Engineering
- Specialist Technical Services
- Integrated Technical Reviews
- Data Warehousing
- Technical Writing & Presentation
- Plant Design & Operations

Project Management

Cadmium has considerable experience in managing a diverse range of processes, energy conversion and power generation projects under different delivery models. We pride ourselves on our constructive and collaborative approach to contract administration, which draws on our extensive experience and skills. As a multi-discipline engineering consultancy, we can manage, monitor and appraise the key design and construction works applicable to new-build, conversion, refurbishment and upgrade projects, in a variety of sectors.

Services typically provided include:

- Fulfilment of the Owner's Engineer / Employer's Representative role
- Vendor Competency Reviews and Assessment
- Witnessing and Evaluation of Factory Acceptance Tests
- Design Review and participation and evaluation of key studies,
- Interface management between sub-contractors and with third parties, utilities, Insurers, Planning Authority and Environmental Agency
- Programme auditing, management and monitoring critical path works.
- Site supervision, including surveillance of construction quality
- Testing and Commissioning, including Independent Certification
- Development Planning (Industrial Development
- Facilities Management
- Economics, planning and controls.

Economics and Planning

How can we sustain rapid growth with limited natural resources?
 How can we spread the ongoing economic and social benefits of

regeneration to create broader opportunities? And how can we focus development so that it weathers uncertain futures?

At Cadmium we steer development to create real value for investors and communities.

Today's challenges demand coordinated responses. Public agencies require affordable solutions that bring about lasting change for communities. Private sector investors want to create valuable projects with sustained returns.

Cadmium believes economic analysis and planning is at the heart of positive development. We provide joined-up services to support regeneration in cities, towns, and rural areas, driving long-term social, economic, and environmental

sustainability. Taking a long view, we provide pragmatic, complete guidance by using our strategic expertise to forge better links between traditional silos of thinking.

At Cadmium, we draw on all our planning expertise to tackle global factors such as climate change and economic uncertainty, while meeting local needs across energy, water, food production, transport, and employment. With this insight we are able to create both discrete and ongoing support for renewal strategies that are efficient, exciting and practical.

This approach allows us to better understand a proposed development as a whole – all that influences it, everything it requires to succeed and the likely implications if it goes ahead.

Cadmium makes development happen and thus powers positive development. Our global network of independent economics and planning specialists provide comprehensive support from concept to realization and beyond – our guidelines influence the future of an area. We uncover greater value for investors and better outcomes for stakeholders. Our flexible services lend guidance when most needed.

Our long, local, and global experience across the board means that we understand development in action, and the factors that

bring lasting success.

We use that insight to provide strategic planning, economic, commercial and policy advice.

From the outset, we can prepare impact assessments and develop a business case for a project.



Organizational Engineering

- Change Management
- Management Consultancy
- Safety Studies (HAZOPs, SAFOPs, etc)
- Environmental Studies
- Competence Development

Management Consulting

Our advice delivers because we merge business sense with technical strength.

Organisations performing at their best are swift to respond to opportunities and challenges. To make the right decisions, they require sharp insight into trends. To be ready, they must see their resources and risks clearly.

At Cadmium, we help businesses improve performance by giving them the complete picture. To do so we combine strategic commercial thinking with precise, hands-on experience of processes, assets and people.

Clear & Practical

We connect and decipher the information businesses need to thrive. For a client exploring opportunities in the energy sector, for instance, we deliver practical advice by integrating world-class transactions advice and corporate finance consultancy and energy strategy. Behind our strategic advice is the technical depth of Cadmium specialists who have designed and delivered major projects for the entire energy chain – from supply to transportation and demand.

Our people combine the management calibre of a blue-chip consultancy with the ability to speak in technical and operational terms. By doing so, we can act as translators between financial institutions and technical experts, for example, to give our clients clearer insight – for a competitive edge.



Effective Solutions

Joined-up thinking delivers pragmatic solutions. Arup's Programme, project and cost managers work alongside designers and technical specialists to deliver outcomes that merge the best in business sense, creativity and innovation.

Our specialists and consultants have the hands-on experience necessary to truly align technology, people and processes in operational readiness programmes that get even the most complex projects up and running smoothly.

When we consult in organizational behavior, we do not rely on platitudes about transformation and change. Instead, Cadmium's behavioral psychologists tailor employee engagement and leadership development programmes that deliver real outcomes because they draw on our real-

world experience of our clients' market sectors. Likewise, in knowledge management we combine change management capability with skills in technology infrastructure and design to produce focused, workable knowledge-sharing systems.

Challenges as Opportunities

Future uncertainties, from economic shifts to climate change, are complicating the business landscape. Cadmium's economics and planning consultants break down traditional silos of thinking to help organizations consider their future drivers of change and plan ahead with greater confidence.

But our job doesn't end there. We then help clients make stronger connections between strategy and action, driving change.



Go Beyond!

Contact Us

Would you like to discuss your project with one of our team?

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