

SERVICES CAPABILITIES



ARCHITECTURE & DEVELOPMENT

*As the complexity of the construction industry increases there is a growing demand for quality professional engineering advice during the initial development stages. **DMC**, offer a full range of multi-professional engineering services tailored to the special needs of developers. Our project teams are skilled in disciplines ranging from highways and traffic to geotechnics, structures, drainage and infrastructure*

Modern and innovative in outlook, we aim to provide developers with integrated, cost-effective and practical advice. Aware of the need for financial return from developments, our priority is to complete projects on time and within budget, no matter how large or complex.

Our strength is our ability, from initial feasibility to project completion, on complex projects our long experience in all aspects of the development process, helps us work more effectively with local and statutory authorities and other professionals such as planners, architects, landscape architects, economists and surveyors. If required, we can call on additional in house expertise in the specialist structural, environmental and project management fields.

*Working in highly motivated teams, our talented staff delivers a professional, prompt and friendly service. We are committed to quality and our engineers work to the highest professional standards. **DMC** network of associates throughout the country gives clients the benefit of a local point of contact backed by additional support from a large group with access to extensive computing, management and communication systems.*

SECTORS

- *Commercial*
- *Retail*
- *Residential*
- *Leisure*
- *Industrial*
- *Municipal*
- *Defense*
- *Educational*
- *Healthcare*

SELECTED ACTIVITIES.

- *Site identification and appraisal*
- *Concept layout and design*
- *Planning applications and negotiations*
- *Preliminary and detailed design*
- *Technical approvals and adoptions*
- *Public consultation*
- *Construction supervision*
- *Project management*
- *Litigation advice.*

RANGE OF SERVICES

- *Foundations and ground investigation*
- *Infrastructure*
- *Flood studies, drainage and sewerage*
- *Traffic impact studies*
- *Roads and bridges*
- *Structural design*
- *Environmental impact assessments*
- *Architectural design*

STRUCTURES

*Today's competitive construction economy has increased the demand for better design concepts, improved construction programs and lower maintenance costs. **DMC** provides the professional and technical skills to plan design and supervise the construction of a wide range of structures. We aim to provide our clients with the best and most up-to-date advice, whether employed in the traditional role of the engineer or the more recently popular arrangements such as design and construct.*

Our philosophy is based on technical excellence and a total commitment to clients. Taking projects through from feasibility to detailed design, construction and commissioning, our engineers are committed to producing cost-effective and practical solutions to the highest standards to ensure our projects meet clients' needs.

*Successful construction depends on effective teamwork by all the specialists in the design team. Backed by long experience of working closely with other construction industry professionals, **DMC's** priority is to ensure a coordinated approach to design concepts and details leading to integrated construction solutions. As a local **DMC's** technical capabilities cover a wide range of disciplines extending well beyond the traditional role of the structural engineer.*

Our network of associates throughout the country gives clients the benefit of a local high quality service backed by additional support from the resources of the whole group, such as access to advanced computing facilities, the latest analytical methods, or the advice of other specialists with many years of practical experience.

SECTORS

- *Commercial*
- *Retail*
- *Residential*
- *Leisure*
- *Industrial*

RANGE OF SERVICES

- *Project management*
- *Surveys and inspections*
- *Structural integrity checking*
- *Refurbishment and conversion*
- *detailed design*
- *Contract document preparation*
- *Construction supervision*
- *Failure investigation*
- *Litigation advice*

BUILDING STRUCTURES

- *Hospitals*
- *Offices*
- *Retail developments*
- *Factories and warehousing*
- *Car parks*
- *Schools*
- *Prisons*
- *Military facilities*
- *Masts and towers*
- *Leisure facilities.*

CIVIL ENGINEERING STRUCTURES

- *Tunnels, culverts and subways.*
- *Drainage and flood control structures.*
- *Bridges.*
- *Earth retaining structures.*
- *Water retaining structures.*
- *Foundation.*

HEALTH CARE

In order to meet the new challenges presented by recent changes in the healthcare sector, senior managers responsible for hospital property and other medical facilities need expert advice more than ever before. Quality engineering input is vital to ensure that special facilities are designed and built to the highest standards and that large and complex hospital sites operate smoothly and efficiently.

***DMC** provides a full range of professional and technical skills to solve the unique problems of hospital sites and buildings. That means first class structural advice during the design of hospital buildings plus experienced construction supervision and project management during construction. It also means innovative input in technical disciplines ranging from highways and traffic to geotechnics, drainage and infrastructure in order to ensure, for example, good site and building access, efficient circulation and user-friendly parking in a pleasant environment.*

***DMC** understand the importance of all these factors in successful hospital development and with long experience of working in multi-professional teams are able to ensure that completed projects meet optimum design requirements.*

SELECTED ACTIVITIES

- *Planning initiatives*
- *Surveys and site appraisals*
- *Feasibility studies.*
- *Concept layout and design*
- *Engineering master planning*
- *Planning applications and negotiations*
- *Planning appeals and inquiries*
- *Statutory authority consultations*
- *Detailed design*
- *Contract document preparation*
- *Construction supervision*
- *Project management*
- *Litigation advice.*

RANGE OF SERVICES

- *Structural planning and design*
- *Ground engineering*
- *Foundations*
- *Infrastructure*
- *Drainage and sewerage*
- *Vehicular access and servicing*
- *Parking and signing*
- *Roads*
- *Environmental impact assessments.*

ENVIRONMENT

*As a result of growing public opinion and increasing legislative pressure, ever-increasing standards of environmental management and compliance are in demand. **DMC**'s multi-disciplinary strengths allow us to offer a full range of professional advice in all aspects of the environment.*

Our aim is to provide cost-effective and practical environmental solutions to the highest standards. Our philosophy is based on technical excellence and a total commitment to our clients' needs. In the increasingly sophisticated environmental sector our unique strength is the ability to balance environmental, economic and technical and policy issues.

***DMC** ranges from major strategic and policy studies to the analysis of individual sites. To ensure our solutions meet client's needs we assemble an integrated package of professional skills and services tailored to each individual project. Operating within a formal quality management system to national and international standards, our associates deal with projects from problem definition to the implementation of effective solutions.*

Close working links with other environmental professionals, such as economists, chemists, biologists and ecologists, allow us to call on additional support from specialists in associated fields whenever required.

TECHNICAL SKILLS

- *Noise and vibration*
- *Air pollution*
- *Water pollution.*
- *Traffic*
- *Ecology*
- *Agriculture*
- *Visual and social impact*

FIELDS OF ACTIVITY

- *Environmental impact assessment*
- *Risk assessment*
- *Environmental modeling*
- *Engineering design*
- *Litigation advice*

SECTORS

- *Transportation infrastructure*
- *Commercial and industrial development*
- *Waste management*
- *Landfill*
- *Mineral extraction*
- *Process industries*
- *Retail and residential*
- *Water.*

PROJECT PLANNING

- *Initial appraisal*
- *Feasibility studies*
- *Surveys and site investigation*
- *Laboratory testing*

PROJECT DEVELOPMENT

- *Planning applications*
- *Public consultations and exhibitions*
- *Project management*
- *Construction supervision*

RESTORATION AND AFTERCARE

- *Remedial and control measures*
- *Pollution control*
- *Site monitoring*
- *Landscaping.*

WATER

The requirement for higher standards in water supply and wastewater treatment together with programs to upgrade flood defense and drainage, has led to an increased demand for water engineering expertise.

We and our associate's experienced water engineering teams have the creative, technical and commercial skills, coupled with extensive construction and project management expertise, to produce practical, cost-effective and integrated solutions based on the latest engineering techniques.

*Working closely with clients, we provide an efficient, professional and friendly service at all stages of a project, from feasibility studies and environmental impact assessments, through design, site supervision and contract administration to commissioning and training of client's staff. To ensure our projects meet client's needs we operate a formal quality management system to national and international standards. **DMC's** water engineering skills are just part of a powerful set of multi-disciplinary design and consultancy capabilities available from a countrywide network of associates.*

WASTE WATER AND EFFLUENT TREATMENT

- *Foul water sewerage*
- *Pumping station and storm overflows*
- *Assessment of existing treatment works*
- *Improvement to existing treatment works.*
- *New treatment works*
- *Sludge treatment and disposal*
- *Trade waste treatment and disposal*

FLOOD CONTROL AND DRAINAGE

- *Catchments management planning*
- *Drainage area planning*
- *Hydrological investigations*
- *Hydraulic analysis*
- *Economic appraisal*
- *River improvement works*
- *Flood storage*
- *Pumping stations*
- *Surface water drainage*
- *Land drainage.*

WATER TREATMENT AND SUPPLY

- *Water intake structures*
- *Ground water supply systems*
- *Water treatment works*
- *Pumping stations and pipelines*
- *Water distribution systems.*

WATER RESOURCES

- *Hydrology and hydro geological investigations*
- *Hydraulic analysis*
- *Economic appraisal*
- *Dams, reservoirs and wells*

TRANSPORTATION

Increasing population, greater demand for travel and growth in freight traffic has put transport systems throughout the world under increasing pressure. Quality professional input is vital to ensure the efficient and safe movement of people and goods with reduced congestion and improved environment.

Our transportation specialist, provide analytical and technical skills in a range of disciplines including demand modeling, economic and environmental analysis, highway and traffic engineering, safety engineering and public transportation planning and operations.

With a philosophy based on technical excellence and a total commitment to clients, we aim to provide practical solutions based on state-of-the-art technology. Our particular strength is our ability to balance engineering and planning expertise with environmental, economic and political issues at all stages of projects, from initial feasibility through to completion.

*Our associates have worked with high profile clients in both the public and private sectors for many years, our transportation skills are just part of a powerful set of design and consultancy capabilities in a wide range of technical disciplines. **DMC** personnel and associates have extensive experience, from feasibility to completion stage, of express ways, major highways, and rural & urban roads. Our high tech professional associates have complete up to date knowledge of the present transportation techniques.*

SCOPE AND SERVICES

- *Data collection and analysis*
- *Demand forecasting and modeling*
- *Feasibility studies, planning surveys.*
- *Infrastructure and operational planning*
- *Operational economic and environmental evaluation.*
- *Detailed engineering design*
- *Project implementation/supervision.*
- *Technical training.*
- *Applied research*

TRANSPORT PLANNING

- *Integrated transport strategy*
- *System appraisal*
- *Highway appraisal*

TRAFFIC AND ENVIRONMENTAL MANAGEMENT

- *Town centre studies*
- *Network management*
- *Traffic impact studies*
- *Traffic signals and systems*
- *Traffic calming*
- *Parking studies and schemes*
- *Pedestrian movement and facility design*
- *Road safety audit and remedial design.*

RURAL DEVELOPMENT

In many parts of the world efforts to promote rural development have undergone substantial changes in recent years. To make them more effective government services aiming at the rural sector are increasingly been decentralized and they are delivered with strong participation of target groups and beneficiaries.

***DMC's** rural Development unit supports this process by providing its expertise and suitable tools (Management information systems, Monitoring & Evaluation etc.) to increase the efficiency of these decentralized authorities.*

In many countries government agencies have withdrawn completely from rendering services for which they were responsible so far and left the field open to the private sector, professional bodies, non-government agencies and self-help organizations.

To create and to promote institutions which are geared to the newly evolving needs is the challenge of rural development of today. The unit of Rural Development with its multi-sectoral approach is experienced and well equipped to assist in this process. Its main role is to initiate and to moderate this "Process of change" in collaboration with our partners.

MAIN FIELDS

- *Promotion of rural institution in the fields of:*
- *Credit*
- *Marketing*
- *Processing*
- *Input Supply*
- *Planning*
- *Conception development*
- *Organizational Support, management and training.*
- *Privatization of services and transfer of responsibility to professional organizations and local self-help groups*
- *Support to Project Management Units and Aid Coordination Units.*
- *Regional development planning and implementation.*
- *Multi-disciplinary development in rural areas*
- *Promotion of small and medium enterprises.*
- *Realization of micro-projects*
- *Development of wholesale and retail markets.*

THE SERVICES

- *Execution of studies at feasibility level.*
- *Implementation of projects in all phases of the project cycle in close collaboration with the client and local partners.*
- *Moderation of planning seminars and workshops.*
- *Provision of qualified backstopped services.*