



We are acknowledged leaders in the fields of biomass energy & pellet projects.



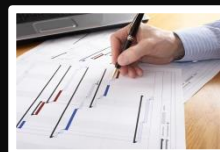
Building Services
Engineering



Process & Plant
Engineering



Renewables &
Sustainability
Engineering



Engineering
Project
Management



Advisory &
Litigation Support



Specialist
Engineering
Services

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Torinex Consulting today released a new whitepaper examining the economic and logistical considerations

Torinex Consulting

A brand new offering, backed by 30 years of engineering experience

We are a new company, refreshingly different, yet backed by 30 years of engineering expertise that spans the globe. As the successor company to a long established consulting groups, our principal offers a breadth of experience and a track record in delivering solutions to our clients that covers award-winning projects in Building Services, Energy & Power, Process and Plant Engineering, Renewables and Sustainability.

What Makes Us Different?

Quite simply, *We Deliver!*

It really is that simple. We believe that the profession has lost sight of this essential imperative. Indeed the Consulting Engineering Industry appears to be driven more by its internal processes than by the fundamental need to deliver solutions that are effective, efficient and implementable, within the limits imposed by financial and time constraints.

We are a Service Business

What do we mean by this?

We mean that we realise that our ultimate success is judged not by engineering prowess, but how our clients respond to our service delivery. Engineering competence is generally (and sometimes mistakenly) taken as a given. What is not a given is whether engineering consultants will be flexible, eager to explore alternatives, responsive to client requirements and adaptable to the inevitable adjustment in the project as almost always happens. *We are!*



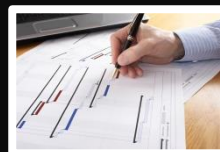
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Our Services

Engineering Services Focused on Outcomes

No matter what our engagement is, we focus on achieving outcomes – the outcomes that our clients require.
Practical, Efficient, Deliverable!

We offer a range of services that are flexible and apply engineering experience and competence to the practical objectives of our clients. Whether it is a new project development,, a technical assessment, a performance improvement or the myriads of other objectives that clients bring to us, we tailor our offering to what our clients need.

- Design Services
- Construction Contract Documentation
- Permits & Approvals
- Compliance Auditing
- Reliability Assessment
- Engineering Investigation
- Cost Estimation & Verification
- Master Planning
- Technical Due Diligence
- Pre-Acquisition Reports
- Client Representative/Engineers
- Technologies Assessment & Integration
- Maintenance Planning
- Failure Assessment
- Risk Assessment
- Engineering Assets Valuation
- Construction Inspections Feasibility Studies
- Independent Commissioning Services
- Independent Expert Reports



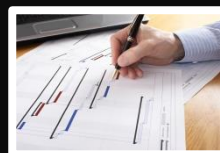
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Sample projects from 30 years of consulting engineering experience



King George V Recreation Centre

Completely naturally ventilated sports building, utilising the thermal mass of the Bradfield Highway approach to the Sydney harbour Bridge to attain thermal stability.

Client: City of Sydney
Arch: Lippmann Partnership



Dee Why Bowling Centre

State of the art ten pin championship bowling facility integrated into existing club facilities.

Client: Dee Why RSL
Arch: Altis Architects



AWA NSF Sulphonation Plant Upgrades

NSF chemical processing plant. Complete design, project and construction management of various upgrades.

Client: Albright & Wilson Australia



Macquarie University Trigereneration

Award winning Trigereneration and District Energy System project was the first stratified chilled water system in Australia.

Client: Macquarie University
Arch: Anchor Mortlock Woolley



Pfizer Training & Conference Centre

Regional training and conference centre for Pfizer Australia in West Ryde, Sydney. Award winning lighting design.

Client: Pfizer Australia
PM: Project Control Group



Macquarie University Aquatic Centre

Indoor and Outdoor Pools and Sports Facility, utilising waste heat from the University's Trigereneration System for water and space heating

Client: Macquarie University
Arch: Cox



Haymarket Library

Complete heritage restoration of former bank building and conversion into library, with extensive detailing of engineering services to complement heritage restoration

Client: City of Sydney
Arch: Howard Tanner & Associated (now Tanner Kibble Denton)



CSIRO GaAr Wafer Manufacturing Facility

Gallium Arsenic Wafer manufacturing facility in North Ryde, Sydney. Complete design.

Client: CSIRO



Merchant Court Hotel & Apartments

(Now Swiss Hotel Sydney)
Client Engineers and Litigation Support

Client: Merchant Court Properties



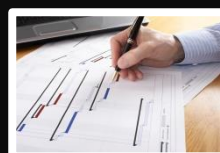
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Building Services Engineering



Mechanical Building Services

Our team provides the full range of mechanical building services for virtually all types of buildings and facilities.



Electrical Building Services

Our electrical building services cover power, lighting, fire and smoke detection, security, communications, audio visual and specialist services such as EMF assessment.



Electrical Infrastructure

We provide design for High Voltage Kiosk and Chamber Substations, undergrounding of electrical services and street lighting.



Building Hydraulics & Drainage

Our capabilities in building hydraulics and drainage include waste plumbing, trade and industrial waste, stormwater, rain water harvesting as well as gas services and domestic hot and cold water.



Fire Protection

Our range of services includes all Hydrant and Sprinkler Systems for ordinary, High and extra High hazards, gas and Foam Systems, as well as NFPA and National Mutual compliant systems.



Lifts

We provide engineering advice and design services for lifts and escalators and excel at integrating new ideas within innovative building designs.



Sustainability

Whilst we provide Part J compliance assessment, Greenstar and LEED services, we excel at providing practical, effective and buildable ESD solutions and are leaders in the introduction of BIPV solutions.



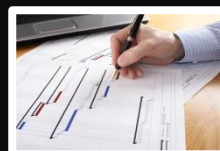
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Process & Plant Engineering



Process Engineering

Our team provides the full range of process engineering services for chemical, food, pharmaceuticals and manufacturing sectors.



Emission Control

We have over 25 years of experience in investigating, designing and commissioning dust, gas and odour control solutions for the process industries, manufacturing, bulk handling systems and waste management facilities.



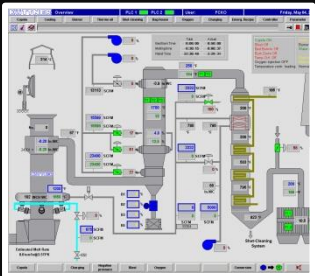
Process Electrical

Our process electrical capabilities cover all electrical areas and include Hazardous Area Electrical.



Materials Handling and Conveying Systems

We have designed a wide range of lean and dense phase conveying systems as well as conveyor systems, walking floors and other bulk handling solutions.



Process Controls, Instrumentation and Automation

We provide the full range of process control engineering, including SCADA configuration, PLC programming, and Instrumentations.



Plant Engineering and Process Utilities

We engineer complete Plant and Process Utilities, including Steam Systems, Compressed Air, Vacuum, Chilled Water and Ammonia Systems.



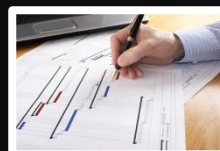
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Biomass Power Generation

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Solar PV and BIPv

With a long history to the Solar PV market in Australia and Pacific Island Nations, we are now driving the introduction of Building Integrated Photovoltaics with leading architects.



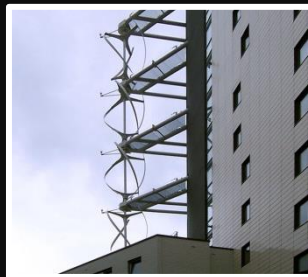
Greenstar & LEED

Our teams comprises accredited LEED and Greenstar accredited experts. Our approach to third-party sustainability performance is to apply practical and buildable solutions that provide true environmental benefits for owners, occupants and the broader community.



Biofuels

We have a proven track record in biodiesel, bio-ethanol and crude coconut oil. Our experience includes Feasibility Studies, DD, Engineering and Commissioning



Building Integrated Wind Power

Our expertise in aerodynamics combined with renewable power and building engineering expertise allows us to offer unique optimised solutions for building integrated wind power.



BASIX & NCC/BCA Section J

We provide BASIX and NCC Section J Certification



Concentrating Solar Power

We integrate proven process engineering in high temperature fluids and thermal storage with Rankine and ORC power generation experience and CSP technologies.



ESD & Sustainable Buildings

Our team has been at the forefront of ESD building solutions since the first introduction of the concept into Australia in 1993. Our approach is based on practical, buildable and financially successful solutions.



Waste to Energy

We have expertise and experience in several WTE technologies including Mass Burn, Composting, Landfill Gas, Anaerobic Digestion and associated material recovery and separation



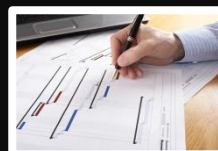
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Project Engineering & Management



Project Engineering

We provide complete project engineering services for complex, unusual and multi-disciplinary projects.



Shutdown Projects

We project manage complete shutdown repair and maintenance activities, from planning, procurement, execution and recommissioning.



Contract Management

We have a long experience at managing technology procurement and engineering construction contracts in power and energy, renewables, process industries and special projects.



Project Management

Our project management skills are honed for complex engineering projects and focused on the time, quality and cost imperatives.



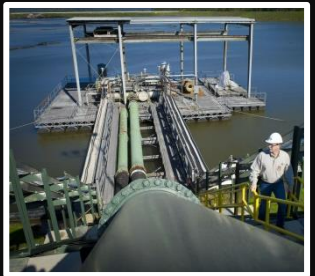
Independent Commissioning Engineers

We provide independent commissioning engineering services for Building Services, Process Engineering and special projects.



EPCM & Construction Management

We provide EPCM & Construction Management services for complex engineering projects that fall outside the conventional capability of traditional medium sized contractors but are too small for the larger EPC contractors



Owners Engineers

We represent the interests of owners, financiers and investors on engineering projects, safeguarding their position.



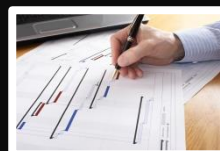
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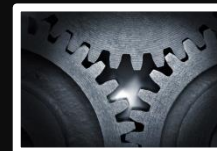
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Specialist Services



Failure Analysis

We provide detailed and forensic engineering services in respect to engineering failures and their causes.



Research Projects

We undertake research projects in the development, implementation and economic operation of technologies and engineering systems, either independently or in association with some of the leading universities.



Hyperbaric Engineering

We provide hyperbaric project engineering to the offshore industry, military and medical sectors.



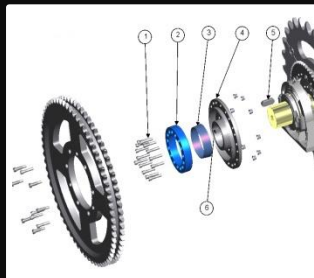
Development Assistance Projects

Our team members have undertaken development assistance projects for several donor agencies in East Timor, Tonga, The Solomon Islands, Fiji and Samoa.



Risk and Reliability Assessment

We assess the risk, reliability and availability of engineering systems and provide practical advice on risk mitigation and reliability improvements.



Technical Authoring

We author technical documents explaining functioning, operations and maintenance for single units to complete complex, large systems



Value Engineering

We value manage engineering projects on behalf of our clients as external independent advisers to extract optimum project value.



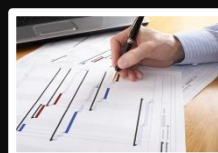
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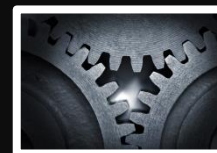
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Corporate Profiles & Capability Statements



White Papers & Technical Articles



Commercial Terms & Conditions



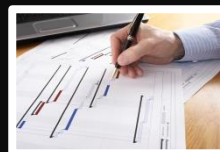
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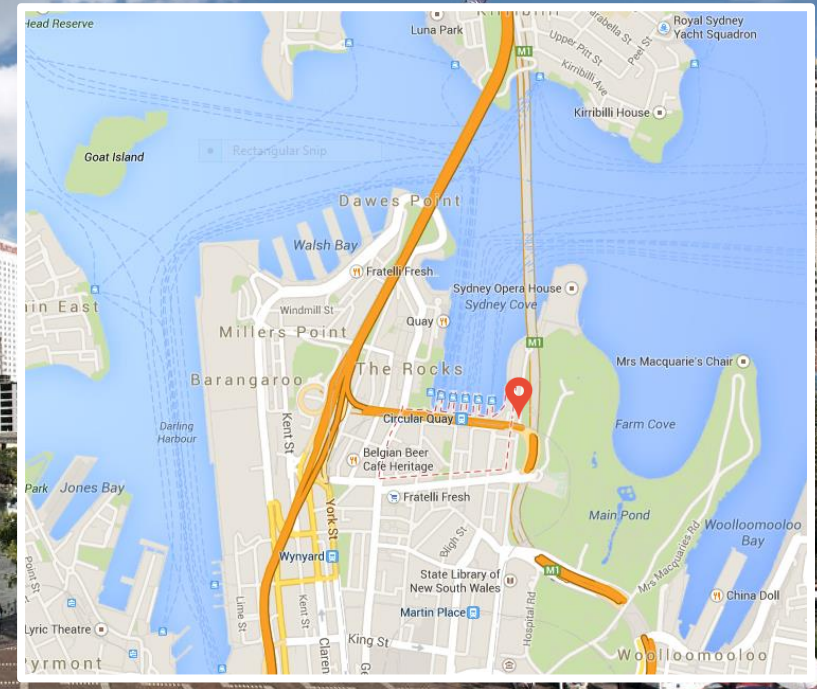
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Confidential enquiries: ceo@torinex.com



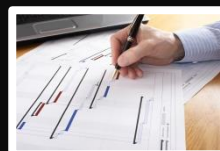
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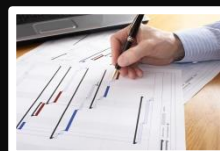
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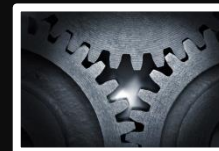
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