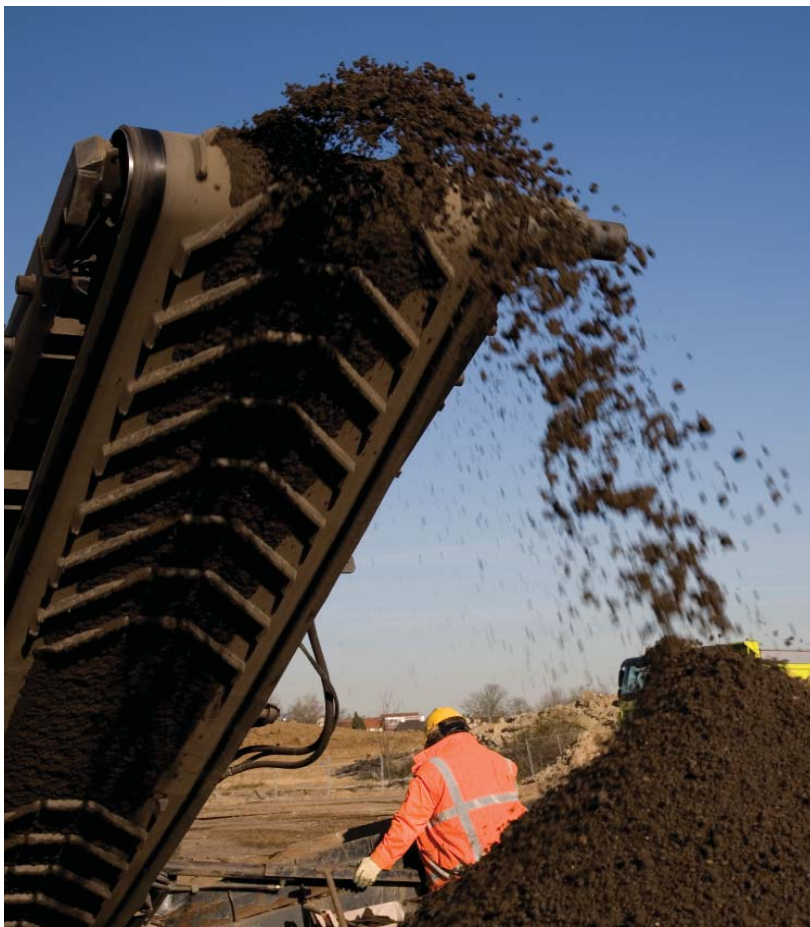


OTEK Global Services

OTEK全球服务



*“Providing local environmental solutions
around the globe with Partners”*

“携手全球合作伙伴，提供本地环保解决方案”



OTEK is a leading environmental, engineering and remediation consultancy company established in Australia in 1991 with a foundation that was based in hydrocarbon assessment and remediation projects.

OTEK services have expanded to embrace all aspects of the environmental consultancy solutions sector and to best meet client needs. The development and maintenance of close relationships with regulators and client focus mean that OTEK can provide practical solutions to keep your projects moving as quickly as possible.

OTEK has a team of approximately 16,600 staff located in offices in Australia and China, who efficiently work with close Partners and subcontractors to help manage projects to run smoothly to completion. OTEK's team is small enough to offer a personalised and responsive service, yet large enough to bring a range of international experience and expertise to projects.

Strategically located offices ensure the ability to provide efficient service to clients right around Australia and Asia Pacific, and with OTEK's Partners, environmental solutions can be provided globally.

OTEK offers services in:

- **Mergers and Acquisitions Services** including:
 - Environmental impact assessment (EIA) and environmental impact statement (EIS)
 - Environmental due diligence
 - Environmental liability assessment
 - Advice on local environmental regulation through international partners globally
- **Contaminated Land Assessment** including assessment of soil, groundwater and surface water
- **Dangerous Goods Engineering** (such as chemical liquids storage and transport)
- **Water Treatment** for industrial water, landfill leachate, impacted surface water and wastewater
- **Remediation** of properties, including groundwater, surface water and soil
- **Environmental Risk Services** including liability, education and due diligence services and products
- **Audit and Training** including LEED and Greenstar Energy Certification, EMS training and audit, environmental management plans and policy implementation and training, contaminated land audit, facility risk audit
- **Sustainability Services** including environmental training, energy and carbon/greenhouse gas audits and advice

Some of OTEK's (over 200) global clients include:

- **BP**
- **Exxon Mobil**
- **Shell**
- **BHP**
- **Rio Tinto**
- **Independent Petroleum Companies**
- **Centennial Coal**
- **Independent Mines**
- **Major Telecommunications Companies**
- **Explosive Manufacturing and Waste Disposal Companies**
- **Energy Companies**
- **OneSteel; BlueScope Steel and Other Steel companies**
- **Waste Management Companies**
- **Government Panels and Government Bodies**
- **Major Australian and Regional Banks**



OTEK是澳大利亚技术领先的环境、工程、治理咨询公司；公司创建于1991年，起初主要业务为碳氢化合物的评估和整治项目。

OTEK服务已扩大到综合环境治理方案的咨询服务的所有领域，并能最好地满足客户需求。与监管机构发展并保持密切的关系和顾客至上的理念，使OTEK可以提供切实可行的解决方案，让客户的项目进展迅速。

OTEK在澳大利亚和中国设有多个办公室，员工大约16600名；公司与合作伙伴和分包商紧密配合，为管理项目顺利完成而高效工作。OTEK的规模适中而灵活，小到能够提供个性化和快捷的服务，大到可以为项目提供一系列丰富的国际经验和专业知识。

OTEK办事处所处的战略位置确保公司能够为在澳大利亚和亚太地区客户提供高效服务。通过全球的合作伙伴，OTEK在世界各地为企业提本地环境解决方案。

OTEK的业务内容：

- 并购服务，包括：
 - 环境影响评估(EIA)和环境影响报告书(EIS)
 - 环境尽职调查
 - 环境责任的评估
 - 通过全球国际合作伙伴，为企业提当地环境监管建议
- 污染土地评估，包括评估土壤、地下水和地表水
- 危险品处理(如化学液体储存和运输)
- 水处理方案，涉及工业用水、垃圾渗滤液、污染地表水和废水
- 工地污染整治，包括地下水，地表水和土壤
- 环境风险服务，包括责任、教育和尽职调查服务和产品
- 审核和培训，包括LEED和绿色环保之星(GreenStar)能源认证、EMS培训和审核、环境管理计划与政策实施培训、受污土地审核、厂地风险审核
- 可持续发展服务，包括环保培训、能源和碳/温室气体审核和建议

OTEK在全球(200多家)的部分客户包括：

- 英国石油公司
- 埃克森美孚
- 壳牌
- 必和必拓
- 力拓
- 众多独立的石油公司
- 森特尼尔煤矿
- 独立的矿业公司
- 各大电信公司
- 炸药制造和废物处理公司
- 能源公司
- 一钢公司、博思格钢铁以及其它钢铁公司
- 废物管理公司
- 政府专家小组和政府机构
- 澳大利亚主要银行和地区银行等



Mergers and Acquisitions (M&A) Services

As the world develops and resources become more scarce, M&A has become an important component of many companies and governments' sustainable futures.

Environmental Impact Assessment (EIA) and Environmental Impact Statement (EIS)

EIA is a fundamental component of gaining government project approval for small and large projects, involving all levels of government. OTEK's EIA team has experience in conducting and managing EIAs and includes professionals from around the globe.

OTEK's EIA Team has performed EIA services across Europe, Middle East, North America, Australia and Asia. Close linkages with universities and academic staff, as well as environmental and development regulators, can provide the latest technological and practical solutions that are most suitable to help streamline your project, and working with Partners, OTEK has combined experience and local expert knowledge throughout the globe.

OTEK also offers services in mining EIA, mine rehabilitation, mine groundwater management plans (GMP), emissions solutions, noise and vibration assessment, flora and fauna assessments, social impact assessment and communication plans, Aboriginal heritage, natural heritage, archeological assessment, and mine waste water solutions.

Environmental Due Diligence

If your company is involved in property transactions, developments, or mergers and acquisitions, the associated environmental liabilities can be a significant part of the transaction.

The purchaser of land or property needs to recognise liabilities for contamination, or the status of environmental compliance, regardless of whether or not the current owner actually created the contamination. Environmental due diligence and property enquiries therefore form a basic, yet important element in reducing financial or legislative risk for the purchaser/developer of land.

Environmental Liability Assessment

After due diligence has been achieved, you may need to know the extent of environmental liability that will affect the balance sheet and increase regulatory risk. OTEK has legally trained staff who understand environmental liability both in a legal sense and practical sense based on 20 years of experience, and can assess the environmental liability and risk in a site, area or portfolio.

Advice On Local Environmental Regulation Through OTEK's International Partners Globally

In Australia OTEK has accredited Auditor certification in most states. International Partnerships help deliver the best relationships with environmental and development regulators in many areas of the globe.



并购服务

世界越变越小，资源越来越少，公司并购成为企业和政府未来可持续发展的重要组成部分。

环境影响评估(EIA)和环境影响报告书(EIS)

《环境影响评估》(EIA)是政府批准各类项目的重要组成部分，这涉及到各级政府。OTEK的环境影响评估团队拥有举行并管理环境影响评估项目、组织全球专家的经验。

OTEK环境影响评估团队在欧洲、中东、北美、澳大利亚和亚洲都开展过环境影响评估服务。OTEK与各大学和学术人员、地方环保和开发监管机构保持密切联系，能给客户提供最先进的技术和最切实可行的解决方案，让项目得以顺利开展；通过合作伙伴，OTEK将全球各地的知识以及当地经验结合在一起。

OTEK提供的服务还包括环境影响评估、矿区重建、矿区地下水管理方案(GMP)、排放解决方案、噪音震动评估、动植物评估、社会影响评估和交流沟通方案、原住民文化遗产、自然遗产、考古评估、矿区废水处理解决方案等。

环境尽职调查

如果贵公司进行财产交易、项目开发或并购，相关的环境责任是交易的一个重要组成部分。

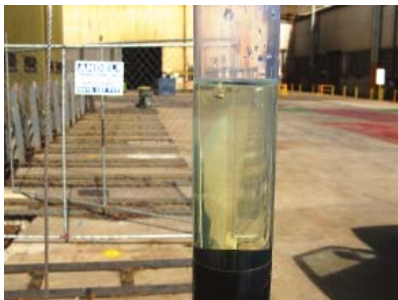
无论污染是否由当前的业主造成，土地或财产购买者都需要认识到污染责任或环保规定执行状况。环境尽职调查和资产评估对土地购买方或开发商而言是减少财务风险或法律风险中基本的，也是重要的组成部分。

环境责任评估

完成尽职调查后，贵公司可能需要了解影响到资产负债表、增加监管风险的环境责任程度。OTEK聘有法律专才，20年的经验，能让他们从法律角度和实际角度了解环境责任，评估工地、地区或综合项目的环境责任和风险。

携手全球合作伙伴，提供本地环保条规建议

OTEK在澳大利亚各主要省州都具备政府认可的审核师认证资格。在国际上，OTEK的合作伙伴可以提供帮助，能在全球很多地区与环境 and 开发监管机构建立最佳关系。



Contaminated Land Assessment

OTEK's team specialises in standard international practices in Phase 1, 2 and 3 Environmental Site Assessments to determine if land is contaminated, and if management practices indicate risk of contamination. This includes assessment of facilities, soil, groundwater, air and surface water.

OTEK is highly regarded in the field of contaminated land management and environmental investigation, delivering practical solutions for clients and offering complete project management of environmental issues to help your company focus on what it does best.

The value of project management processes in assessments is core to efficiency and avoiding surprises. OTEK has core staff trained as Project Management Professionals (PMP™) to ensure clear communication with the client, a reduction in surprises, and properly maintained paperwork and contracts for contractors.

Human health and environmental risk assessments are part of OTEK's services to assess past, present and future potential risk, based on quantitative data modelling.

OTEK staff undergo extensive OH&S training to ensure both staff and sub-contractors are safe at site, and all project workers return safely to their families at the end of each day.



Dangerous Goods Engineering

OTEK offers a comprehensive strategy to minimise the risks associated with the storage and handling of dangerous goods in the whole of life of a facility. OTEK can assist clients that are considering a new storage facility, those whose facility may be subject to legislation changes requiring upgrades and those considering decommissioning a facility in a safe and environmentally friendly manner.

Dangerous Goods are substances that may be corrosive, flammable, explosive, spontaneously combustible, toxic, oxidising or water reactive.

Dangerous Goods can cause serious injury or death and significant damage to property and the environment.



污染土地评估

OTEK团队按国际标准做法，分一期、二期、三期作环境评估，专门确定土地是否受到污染、确定管理方法是否存在污染风险。评估内容包括设备、土壤、地下水、空气和地表水。

OTEK在污染土地管理和环境调查领域声誉极佳，能为客户提供切实可行的解决方案，提供全面的环境项目管理，帮助客户专心开展主要业务。

在评估中，项目管理流程环境的价值是提高效率、避免意外的重点。OTEK骨干人员受过项目管理专业人士(PMP™)培训，能够确保与客户顺畅地进行沟通，减少意外情况的发生，正确为承包商保存文件与合同。

人体健康和环境危害评估是OTEK根据定量数据建模，评定过去、现在、未来潜在风险服务的组成部分。OTEK专业人员经过大量的职业健康安全(OH&S)培训，能够确保工作人员和分包商在工地的安全，能确保项目工作人员每个人每一天都能安全回家。



危险品处置

OTEK提供综合策略，降低危险品整个寿命期间的存储和处理方面的风险。OTEK可以协助各类客户：有的客户考虑新建存放设施、有的客户因法规修改须更新设施、有的客户考虑用环保安全的方式拆除旧设备。

危险品包括腐蚀性、易燃、易爆、自燃、有毒、氧化、触水反应类物质。

危险品可导致严重伤害、死亡和重大财产与环境损害。



Water Treatment

O TEK's Water Treatment team specialises in water and wastewater treatment, embracing environmental and chemical engineering applications for landfills, contaminated surface water bodies, and industrial water and wastewater solutions.

O TEK has developed reputation for innovative solutions in the water and wastewater industry by finding practical solutions and utilising technologies from around the globe.

The multi-disciplinary team and network of industry alliances at O TEK offers competitive advantages over other service providers, as O TEK is able to provide efficient turnkey solutions.

O TEK has extensive experience in the design, fabrication, installation and operation of water treatment equipment.



Remediation

O TEK Remediation team specialises in remediation of contaminated soil and groundwater and waste treatment, and offers some of the most efficient remediation technologies with proven track record.

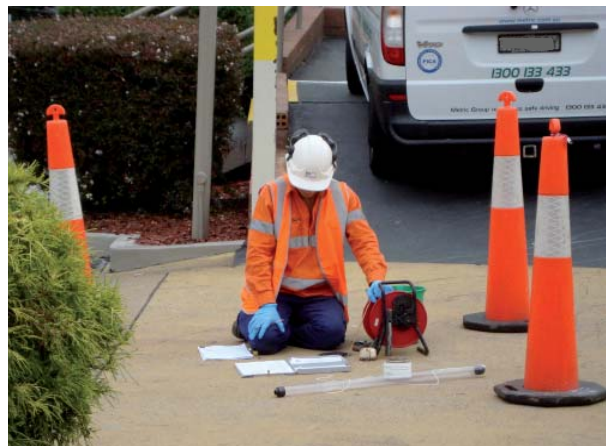
The team of engineers and scientists has extensive experience in remediation of a wide variety of contaminants in soil, groundwater, liquid waste and solid waste. O TEK will identify your remediation needs and provide you with a practical solution that minimises your environmental risk and meets your regulatory obligations.

O TEK provides solutions tailored to meet a client's budgets and time frames. O TEK have experts from around the globe, and utilise both tried and tested efficient older technologies, and new innovative technologies from around the globe.

O TEK has an excellent safety record and ensures compliance of equipment and subcontractors with all applicable codes and standards.

O TEK also provides emergency response services (in Australia), ecological and health risk assessments, site management plans (SMPs), remediation action plans (RAPs) and groundwater quality management plans (GQMPs).





水处理

OTEK水处理团队专业开展水和污水处理工作，通过使用环保和化工应用技术，对堆填地、受污地表水、工业用水、废水提供解决方案。

OTEK勇于创新，积极发掘全球实用解决方案和技术，在水和污水处理领域建立了良好的声誉。

OTEK能够提供高效的交钥匙解决方案，公司跨学科的团队和行业联盟网络让OTEK比其他服务公司更具竞争优势。

在水处理设备的设计、制造、安装、运作等各方面，OTEK的经验都十分丰富。

环境整治

OTEK环境整治团队专门开展受污染土壤、地下水、垃圾废物处理的整治工作，公司提供最有效的整治技术，工作成绩得到验证。

OTEK工程、科学工作者在治理土壤、地下水、液体废物、固体废物等各种污染方面具有丰富的经验。OTEK将确认客户的整治需求，从而提供一套切实可行的解决方案，最大限度地减低环境风险，达到监管要求。

OTEK提供的解决方案是根据客户的预算和时间要求，量体裁衣而制定的。OTEK有来自全球各地的专家，使用的既有久经考验的成熟高效技术，也有世界创新技术。

OTEK有出色的安全纪录，公司确保机器设备和分包商符合所有规程和标准。

OTEK还提供应急服务(在澳大利亚)、生态和健康风险评估、工地管理方案(SMP)、整治行动方案(RAP)、地下水质量管理方案(GQMP)。

Environmental Risk Services

Companies and their Boards are liable on an ongoing basis for their contaminated operations and associated sites in many jurisdictions.

Companies also have increasing statutory and accounting best practice requirements to quantify liabilities on balance sheets, and provisioning for environmental issues, contamination and rectification.

When companies lack focus on their environmental contamination or legacy issues, this directly impedes their bottom line and share value. Additionally, when companies look at M&A activities in foreign countries, the capital risk involved in transactions may not be fully understood and in some cases can be a surprising and substantial percentage of the investment cost.

To reduce these risks, several options are available that OTEK is able assist with:

- Management training of staff at currently owned facilities or sites
- Liability assessment of properties to determine current environmental risk and advice on insurance
- Quantitative and qualitative environmental and human health risk assessment and modelling
- Due diligence assessment of properties and portfolios to assess risk associated with individual legal and regulatory jurisdictions

Audit and Training

OTEK are actively engaged with audit training programs for government bodies and companies to in international environmental processes, regulations, and best management.

OTEK perform many such audits and company training including:

- Contaminated Sites
- Due Diligence
- Energy and Greenhouse Gas Audits and including LEED and Greenstar Energy Facility Audits
- OH&S management, audit and training
- Environmental Management Systems (EMS)
- Environmental Management Plans and Policies
- Engineering Dangerous Goods
- Risk and Performance
- Specialist Audits

OTEK have performed audits on and training with a wide variety of agricultural, residential, commercial and industrial sites both inland and coastal including: market gardens, landfills, manufacturing plants, government bodies, maritime construction industries, trucking and transport factories, general aviation fire fighting establishments, steel recycling plants and foundries, sports stadiums, waste treatment facilities, concrete batching plants, service stations and fuel depots.



Sustainability Services

With increasing energy costs and the introduction of mandatory government reporting measures on greenhouse gas emissions in many jurisdictions, sustainability terms such as carbon, greenhouse gas, and energy efficiency; are becoming increasingly part of business and economic vocabulary. In addition, most companies want to ensure their footprint is minimal in the environment for future generations, but this was sometimes difficult to incorporate in the traditional business model.

OTEK has worked with major international companies in helping them establish their carbon efficiency. The OTEK Sustainability Team can help your company take advantage of opportunities and incentives presented by the new carbon economy.

- Carbon Footprint audits
- GreenStar and LEED building accredited assistance
- Technical quantification where default emission factors are inappropriate
- Energy audits to relevant jurisdictional standards
- NPI, EEO and NGER threshold determination / reporting assistance
- Project identification, costing and payback analysis
- Strategic advice on regulations, certification and policy
- Carbon neutrality, carbon offsets and life cycle management

环境风险管理服务

在许多国家和地区，公司和董事会都对其污染企业和相关污染工地持续承担责任。

公司也越来越多地制定了法定和财务最佳行为要求，在资产负债表上量化责任，并且为环境问题、污染和整治留出专款预算。

企业不注重环境污染和遗患问题时，他们的底线和股价都会直接受损。此外，企业在国外开展公司并购时，交易中的资本风险可能未被全面理解，在某些情况下，投资成本会出乎意料地大幅增长。

为减少这些风险，OTEK能够通过数种方法，协助客户：

- 对下属企业或工厂的现有工作人员进行管理培训
- 对财产进行责任评估，确定当前环境风险并提供保险建议
- 定量定性分析环境风险和人体健康风险并建模
- 对财产和综合项目作尽职调查评估，确定法律和监管领域的风险

审核与培训

OTEK积极参与为政府机构和公司举办审核培训活动，介绍国际环保程序、监管规定、最佳管理方法等。

OTEK举办的众多审核和培训班包括下列内容：

- 受污染工地
- 尽职调查
- 能源和温室气体审核，包括LEED和绿色环保之星(GreenStar)能源企业审核
- 职业健康和安全管理、审核和培训
- 环境管理系统(EMS)
- 环境管理计划和政策
- 工厂危险品
- 风险和绩效
- 专家审核

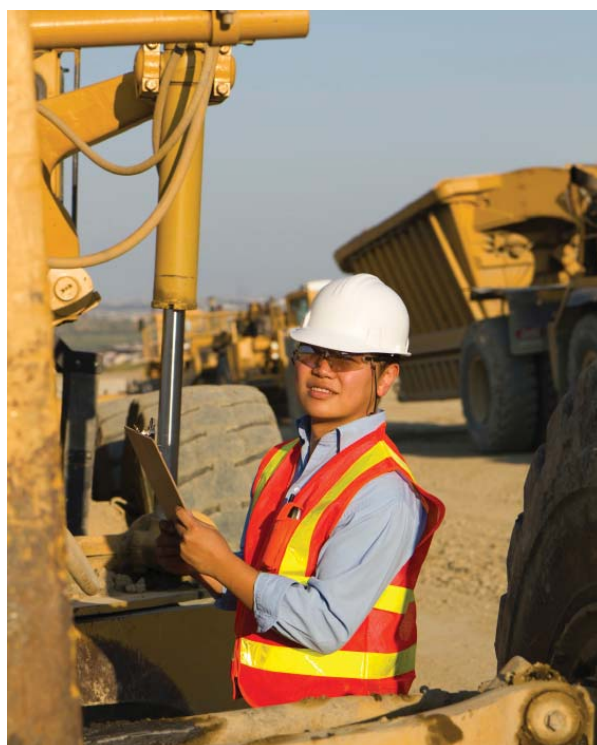
OTEK审核与培训项目范围广泛，内陆和滨海的农业、住宅、商业、工业项目，包括：商品菜园、垃圾填埋处、制造厂、政府机构、航海建造工业、货车运输工厂、飞机消防部门、钢铁回收厂、体育馆场、回收处理厂、混凝土配料厂、加油站和储油站等。

可持续发展服务

随着各地能源成本提高，各国政府开始强制实施温室气体排放上报要求，碳、温室气体和能效等可持续发展专用词汇已逐渐成为商业和经济活动的常用语。此外，大多数公司都希望为了子孙后代，在环境方面留下的足迹要尽量减少，但这往往很难纳入传统的商业模式。

OTEK帮助过很多国际大公司建立起碳能效系统。OTEK可持续发展服务团队能够帮助贵公司抓住新的碳经济所带来的机会和激励措施。

- 碳足迹审核
- 绿色环保之星(GreenStar)和LEED建筑认证协助
- 对自动排放因素不适用时进行技术量化
- 按相关国家和地区标准进行能源审核
- 协助NPI、EEO和NGER过关确定和报告
- 项目确定、成本和投资回报分析
- 关于监管、认证和政策的战略性建议
- 碳中和、碳抵消和生命周期管理



For more information about OTEK's capabilities and services, please contact your local OTEK office.

欲知OTEK能力和服务详情，请与当地OTEK办事处联系。

Beijing 北京

OTEK 北京市海淀区蓝靛厂南路25号牛顿办公区706室 100097

OTEK, Suite 706, Newton Office Building, 25 Lan Dian Chang South Road, Haidian District Beijing 100097 China

T: +86 10 8840 0302 F: +86 10 8840 0209

Melbourne 墨尔本 (Head Office 总部)

OTEK, Level 1, 222 St Kilda Road, St Kilda, VIC 3182 T: +61 3 9525 5155 F: +61 3 9593 8555

Sydney 悉尼

OTEK, Level 4, 384 Eastern Valley Way, Roseville NSW 2069 T: +61 2 9417 4499 F: +61 2 9417 2314

Brisbane 布里斯班

OTEK, Level 1, 9/44 Station Road, Yeerongpilly QLD 4105 T: +61 7 3426 5200 F: +61 7 3426 5299

Perth 珀斯

OTEK, Level 1, 79 Hay Street, Subiaco WA 6008 T: +61 8 9381 5500 F: +61 8 9380 6699

Adelaide 阿德莱德

OTEK, Level 5, City Central Tower 2, 121 King William Street, Adelaide SA 5000

T: +61 8 8423 4480 F: +61 8 8423 4500

www.otek-china.cn

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