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# TOTAL LINING SYSTEMS

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## BUSINESS CAPABILITY STATEMENT

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25 YEARS OF EXCELLENCE IN  
ENGINEERED GEOSYNTHETIC  
LINING SYSTEMS

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## COMPANY PROFILE

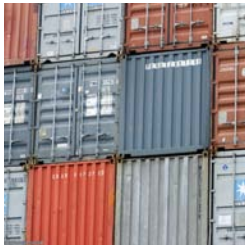
- Total Lining Systems (TLS) specialises in the design, supply and installation of engineered geosynthetic systems.
- TLS provides a service for the full lifecycle of geosynthetic systems from design to construction to repair to recycle.
- We have a proven track record with over 30 million square metres of geosynthetics installed across Australia and the South Pacific region.
- Integrated Management System conforming to ISO9001 Quality Management, ISO14001 Environmental Management and AS4801 Occupational Health and Safety.

# TLS CAPABILITIES



## DESIGN OF GEOSYNTHETIC LINING SYSTEMS AND ASSOCIATED STRUCTURES

TLS is able to offer design services for landfill cells, water containment structures, hazardous waste containment and similar. We have in house engineers with many years' experience in the field of geosynthetics and always work to provide an offering that meets clients objectives in a cost effective and timely manner with a focus on the full lifecycle of the project.



## PROCUREMENT, SUPPLY AND DELIVERY OF THE FULL SPECTRUM OF GEOSYNTHETIC MATERIALS

With a very active and competitive worldwide market for geosynthetic products, TLS is able to provide best value for money and high quality products from both domestic and overseas suppliers. We have established relationships with high quality and competitive manufacturers able to deliver product to the highest standards. Fully customised products can be made to order if required



## INSTALLATION AND TESTING OF GEOSYNTHETICS TO INDUSTRY BEST PRACTISE

As a member of the International Association of Geosynthetic Installers, TLS pride ourselves on high quality work and well programmed projects. We only use experienced and well trained supervisors, operators and technicians. TLS is fully self sufficient and specialises in remote area work.



## 3RD PARTY CQA SERVICES AND VERIFICATION OF WORKS

Building on TLS vast on site experience as installers, we also offer 3rd party CQA services and verification of lining works for other installation contractors. TLS senior site staff have been deployed to problem projects to rectify installation techniques and verify field QA data for other lining installation contractors.



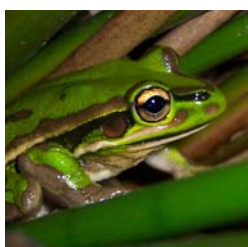
## LEAK LOCATION, REPAIRS, MAINTENANCE AND DISPOSAL

Throughout the lifespan of geosynthetic structures, TLS are able to attend sites with specialised equipment to identify and locate leaks, offer advice regarding rectification of such, and conduct repairs as necessary. When geosynthetic lining systems reach the end of their design life, TLS is able to remove and recycle expired geosynthetics rather than dumping in landfill.

## RECENT PROJECTS



- PROJECT NAME:** Pasminco Cockle Creek Smelter Containment Cell Capping
- CLIENT:** PCCS Pty Ltd
- JOB DESCRIPTION:** Supply and installation of 80,000m<sup>2</sup> geosynthetic capping system to containment cell of contaminated material.
- CHALLENGES & ACHIEVEMENTS:** Working on a site described as "the most contaminated in Australia", TLS is currently working on installation of a lining system that is integral to the \$2.6B remediation project. The highest standards of OH&S and quality have been paramount throughout this project.



- PROJECT NAME:** KIWEF Capping
- CLIENT:** Georgiou Group
- JOB DESCRIPTION:** Supply and installation of 70,000m<sup>2</sup> of geosynthetic to former BHP waste site, Kooragang Island.
- CHALLENGES & ACHIEVEMENTS:** Throughout the project TLS was required to maintain the strictest of environmental controls and hygiene standards working on an area home to one of NSW's most endangered frog species, the Green and Golden Bell Frog.



- PROJECT NAME:** Newcrest Cadia SWD Lining
- CLIENT:** Newcrest Mining Ltd
- JOB DESCRIPTION:** Supply and installation of 78 hectares of geosynthetics to waste rock dump at Orange, NSW.
- CHALLENGES & ACHIEVEMENTS:** Working through winter in the NSW central tablelands and under substantial time pressure, TLS delivered a high standard of workmanship in near freezing conditions enabling the client to proceed with surface mining operations with no delays.



- PROJECT NAME:** Channel Lining Works
- CLIENT:** Multiple contractors and head clients
- JOB DESCRIPTION:** Supply and Installation of over 1,000,000m<sup>2</sup> of geomembrane throughout NSW and northern Victoria.
- CHALLENGES & ACHIEVEMENTS:** TLS has been engaged on multiple government funded irrigation modernisation projects over the course of 3 winter seasons. Constantly moving work sites, working on private land and reporting requirements for federally funded projects were all managed by TLS and delivered in a satisfactory manner.

# DIFFERENTIATION OF TLS OFFERING



## INTEGRATED MANAGEMENT SYSTEM

TLS has adopted an integrated management system incorporating ISO9001 – Quality Management, AS4801 Occupational Health and Safety and ISO14001 Environmental Management. IMS is audited on a regular basis to ensure conformance with current international standards.



## INTERNATIONAL ASSOCIATIONS MEMBERSHIP

TLS is a member of multiple industry associations and groups enabling us to stay abreast of new technologies and other advancements in the geosynthetic field. Memberships include International Association of Geosynthetic Installers, International Geosynthetics Society, Waste Management Association of Australia.



## CONSULTATIVE AND SOLUTION BASED APPROACH TO PROJECTS

TLS is more than a geosynthetic installer – we offer design alternatives and valuable advice regarding programming of geosynthetic works and integration with other components of major civil projects. This knowledge can be invaluable in programming efficient projects.



## INDIGENOUS PARTICIPATION IN CIVIL CONTRACTING

As part of our company's ongoing recognition of the Traditional Owners of the land upon which we work, TLS has adopted employment policies promoting the recruitment and ongoing employment of Indigenous Australians.





# WE LOOK FORWARD TO WORKING WITH YOU...

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