



tranen
revegetation systems

COMPANY PROFILE

PERTH

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Jolimont WA 6014
p 9284 1399

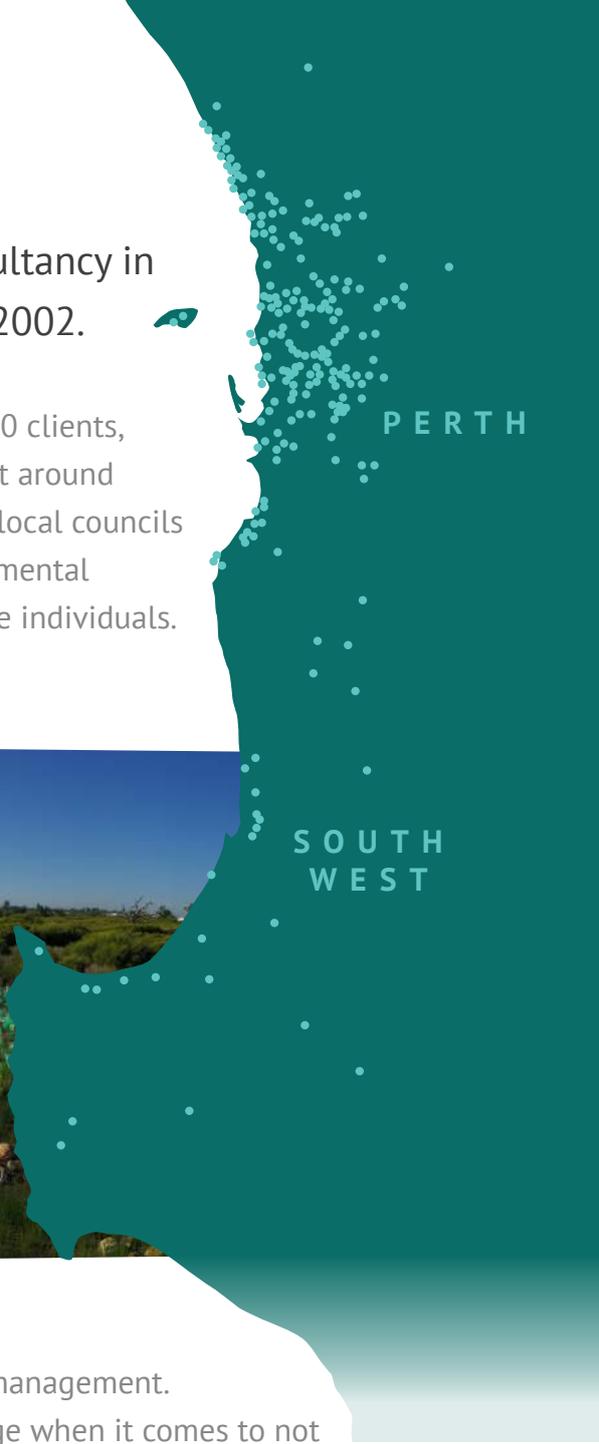
SOUTHWEST

20 Possum Place
Vasse WA 6280
p 9754 2643

Introduction

Tranen, originally established as an engineering consultancy in 1992, changed its core focus to revegetation in early 2002.

Since then we've been involved in 700 revegetation projects for 200 clients, mostly on the Swan Coastal Plain, but increasingly in the southwest around Busselton. Clients include state government departments, utilities, local councils and shires, land developers, landscape architects, planners, environmental consultants, mining companies, construction contractors and private individuals.



We provide a range of services in bushland and native vegetation management. Conducting most activities in house provides a significant advantage when it comes to not only designing, but managing and implementing revegetation projects from start to finish.

This includes:

- Provenance seed collection, processing, storage and seed banking, pre-treatments, and general seed sales
- Weed management plans and implementation
- Revegetation management planning and design
- Project implementation (surface preparation, direct seeding, seedling planting, maintenance, etc.)
- Progress reporting and vegetation assessments.

For more detailed information please visit our website at www.tranen.com.au.

Capabilities and Experience

Our operations are split into four departments:

Planning and design, seed, revegetation, and innovation.

Planning and Design



Our planning and design capabilities include:

- Revegetation / rehabilitation plans
- Revegetation project management
- Site surveys (flora, vegetation condition, seed productivity, weeds)
- Weed management plans
- Monitoring and review of existing projects (for compliance or remedial action)
- Seed collection programs and productivity assessments
- Materials and seedling sourcing
- Training for volunteer and community groups

We have developed a database system for tracking all aspects of our operations, which is integrated into a geographical information system (GIS).

Seed Operations

Tranen is a leader in provenance native seed recovery and management, including:

- Seed production surveys
- Provenance field collections
- Seed extraction and processing (internal and external collections)
- Seed bank management and storage
- Seed pre-treatments (including aerosol smoke treatments)
- Commercial seed sales

Collecting, processing and storing native seed is a labour-intensive process requiring highly effective management systems to be viable. Through years of research and development our systems meet the highest industry standards.

In a typical year we collect over 1,200 individual seed lots of 200 species, weighing a total of 600 kg. We focus on southwest vegetation communities, including coastal, wetland, woodland, and forest species.

Our collection operations, accredited by RIAWA (Revegetation Industry Association of WA), are based on sustainable best management practices. All seed is separately batched in the field and immediately logged. Back at our processing facility each batch is uniquely numbered, labelled and entered into our custom database, SeedTracker. This allows instantaneous tracking of individual batches through our processes.

Seed banking is like regular banking, with deposits and withdrawals on a batch-by-batch basis, and account statements available instantly. Seed is stored in our temperature and humidity controlled facility to maximise its longevity. We manage 49 separate seed banks for 37 different clients, making us one of the largest private seed bank managers in WA.



Revegetation



Each new site is thoroughly reviewed to assess its constraints and opportunities.

Our action plans aim to achieve the best possible results from the outset, to minimise the need for ongoing maintenance.

Key components include:

- Weed management (timing, methodology)
- Site preparation (erosion prevention, cultivation, soil nutrition, fauna management, access control, and site protection, etc.)
- Revegetation methodology (direct seeding, seedling planting, transplanting)
- Monitoring (formal and informal)
- Post-installation maintenance.

We typically plant over 600,000 seedlings across 40 projects each season, from June to September. We've had significant exposure to all environments encountered in the greater metro and southwest areas - coastal areas, wetland and river restoration, coastal plain woodlands, Perth hills, pine forest post-harvest rehabilitation, and reclaimed farmland.



Innovation

Our Innovation department is tasked with expanding and improving on the Tranen knowledge base, in partnership with our clients and the industry.

We draw on the results of field-scale trials of various revegetation techniques to improve outcomes and efficiencies, as well as the academic and research experience of our key staff, who have a diverse range of backgrounds.

Key activities include:

- Analysing data from Tranen projects for reporting, and publication
- Research into innovations in rehabilitation methods, materials, and equipment
- Assisting clients achieve their internal sustainability and innovation goals.
- Scientific literature reviews based on specific information requests
- Design and development of practical scientific research trials
- Scaling up smaller scale laboratory trials in the field



Quality Assurance

As a small company, while we have not felt the need to obtain formal certification in Total Quality Management, but TQM is an integral part of our business, and our Managing Director has a formal qualification in TQM

Our Procedures Manual integrates all accounting, safety and technical processes into one document, which is continuously updated on the basis of experience.

We induct and train new staff and ensure personnel maintain a consistent Tranen work “culture” and consistent level of quality control.

Safety and Environmental Management System

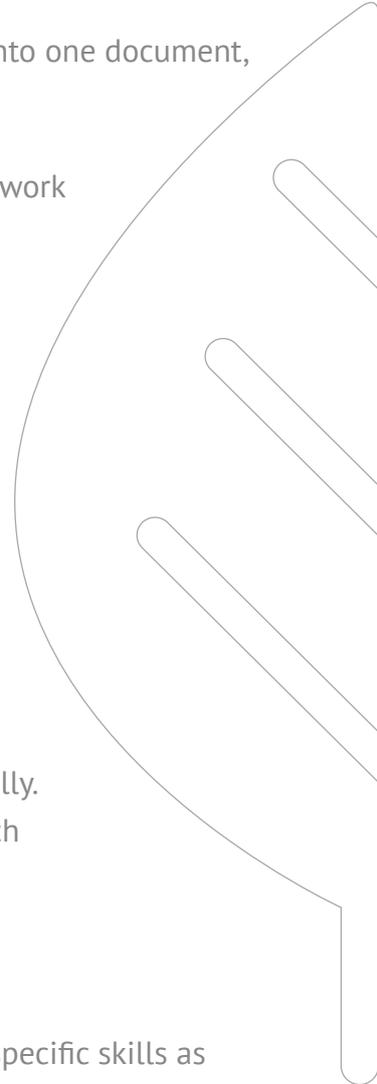
Tranen has developed a comprehensive safety and environmental management system, and has an excellent safety record.

Our safety system is third-party accredited by the Cm3 and BROWZ systems annually. Some of our major clients have their own safety management systems under which our systems are regularly accredited, generally biannually.

Key components of our safety system are:

- OHS & E procedures
- OHS & E general guidelines
- Site-specific Job Site Hazard Analyses
- Safe Work Method Statements and Material Safety Data Sheets
- Internal training in work procedures
- External training for specific skills as required
- Provision of and training in the use of Personal Protective Equipment
- Suiting tasks to employee capabilities
- Early hazard identification, assessment, and risk reduction.

By the very nature of our work, we are committed to protecting the environment. We ensure that all of our work is closely supervised and monitored to ensure the highest possible standards of safety, quality and preservation of the environment, and perform internal monthly audits to ensure compliance.



Insurance

We maintain the following insurance policies.

Our policies are renewed annually, by 31 Dec.

POLICY TYPE	SUM INSURED
Workers Compensation	\$50M per event
Public / Product Liability	\$20M general, \$20M products
Professional Indemnity	\$5m per claim, \$10M aggregate
Comprehensive Motor Vehicle	Vehicles plus \$30M indemnity

Professional Associations

Tranen is proud to be a member of the:

- Revegetation Industry Association of Western Australia (RIAWA).
Tranen was instrumental in its founding, and has had members on the committee since inception.
- Environmental Consultants Association (ECA).
- Urban Development Industry Association of WA (UDIA).
- Association of Mining and Exploration Companies (AMEC).
- Wildflower Society of Western Australia.

TRAC Registration

Tranen is registered under the TRAC system, a global standard for baseline due diligence and prevention of bribery.

Please email us if you would like to be granted access to our on-line TRAC profile.