



The right advice
to solve the right problem

IMPARTA

ENGINEERS

A HALLIWELL COMPANY

Capability Statement



Over 25 years of experience



Who and where we are

Imparta Engineers was formed in 1999 with the specific intention to **advise Insurers on engineering and building aspects of insurance claims.**

Over the past 25 years, the company has undertaken work for most major Insurers, either under instructions directly from Insurers, or through their appointed Loss Adjusters, associated Building companies and their Lawyers.

Imparta Engineers has offices in Sydney, Adelaide, Melbourne and Brisbane, however **projects are undertaken across all parts of Australia.**

Our people have a combined insurance-related experience of over 300 years, specific to providing engineering services in the insurance industry.

Our services

Imparta Engineers have more respected industry experts servicing right across Australia, delivering a timely and detailed approach to the cause and effect around building insurance related issues.

We are all about **uncovering facts and the evidence necessary to bring clarity to your claim investigations.**

With professionals within striking distance of projects, we are ready to go when the need arises, especially during any major catastrophes across Australia.

Each job is treated with the priority and resources it deserves, whether it's a small residential claim for \$500 damage to a bathroom, or a major industrial fire worth \$400 million.

Imparta Engineers provide professional services for all residential, strata, commercial and industrial buildings, and non-building structures such as retaining walls, tanks, and pools. We even work on structures like grain storage facilities, drive-in theatre screens, and civil infrastructures.



Our services

IMAGE: RETAINING WALL FAILURE



01.

DIAGNOSTIC INVESTIGATION AND CAUSATION REPORTING

- Geotechnical
- Structural failure
- Civil
- Influence of water on structures
- Sequence of failure assessment
- Resultant damage
- Extent of damage advice

03.

DETAILED REPAIR DOCUMENTATION

- Make-safe documentation
- Building plans and detailing
- Scope of works & Specifications
- Structural engineering services
- Tendering and approval process

02.

STRUCTURAL ASSESSMENT FOLLOWING EVENT RELATED DAMAGE

- Fire
- Flood
- Storm
- Inundation
- Hail
- Vehicle or tree impact
- Earthquake
- Initial make-safe and propping advice

04.

LIABILITY CLAIMS

- Investigation and Assessment
- Regulatory, Compliance and Building Code Guidance
- Expert Reporting and Witness Services

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When it comes to building and structural damage from a weather event or unfortunate accident, the cause and effect investigation and report is valuable information for all stakeholders.



OUR CORE COMPETENCIES

Expert, forensic but pragmatic approaches

Our core business is to serve the insurance industry's specialised requirements in the fields of **forensic/ diagnostic engineering, building damage causation and repair recommendations**.

The discovery and application of technical knowledge to diagnose and find causes of damage, rely on many years of experience in this field among our staff. We know how to focus our reporting so that insurers can easily apply conclusions to their policy conditions.

Determination of the extent of building damage along with corresponding building plans, repair scopes and the most cost-effective reinstatement procedures, is our other speciality.

Imparta Engineers are routinely relied upon by our clients for high quality technical advice on all areas of buildings or structures.





**FIRE DAMAGE
TO DOMESTIC, COMMERCIAL
AND INDUSTRIAL BUILDINGS**



**IMPACT DAMAGE
TO DOMESTIC AND
COMMERCIAL BUILDINGS
AND STRUCTURES**



STRUCTURAL FAILURES



**RETAINING
WALL FAILURES**



EARTHQUAKE DAMAGE



**ESCAPE OF LIQUID OR OTHER
INUNDATION EVENTS**



STORM DAMAGE



**SWIMMING POOL
AND TANK FAILURE**



WATER DAMAGE



**GENERAL
BUILDING MOVEMENT
AND CRACKING**



**SPECIALISED REQUESTS AND
INVESTIGATIONS**



DRONE CAPABILITIES

Fire Damage

- Initial meeting with stakeholders and preliminary site investigation and assessment.
- Preparation of initial report detailing the associated effects of heat and smoke on the building, construction materials, including damage by fire extinguish water, repair considerations and possible National Construction Code (NCC) compliance repair implications.
- Preparation of a comprehensive Scope of Work and detailed architectural and construction drawings for repairs to fire damaged buildings.
- Detailed documentation to enable comparable repair tenders from builders.
- Documentation is normally prepared to a level of detail that can be submitted to approving authority as part of building assessment and approval processes.
- We are familiar with current building rules and regulations to ensure repair documentation meets current NCC requirements and local authority requirements, including buildings located on bushfire fire prone land, and flood zones.



Impact Damage

- Analysis of building condition and event related damage.
- Consideration of cost effective repair methods.
- Separation of Extra Cost of Reinstatement (ECOR) items to meet Building Codes and Regulations where the Policy responds.



IMAGE: TREE IMPACTED BUILDING

Flood Damage

- Determination of extent of building or site damage caused by soil erosion, and or shifting of soils as a result of flood.
- Utilising site contour and level data to determine required imposed Australian Height Datum (AHD) on replacement structures.
- Monitoring of building to determine optimal timing of repair.
- Preparation of detailed Scope of Work repair documentation.

Storm Damage

- Storms can result in damage sustained to buildings through wind events with further damage caused by tree or material impact or water entry.
- Assessment of the structural adequacy, particularly in relation to failures due to wind forces.
- Forensic identification of structural failure modes to determine proximate cause.





Escape of liquid (EOL), pipe burst or leak and water related damage

- Studies to determine the extent of water-related damage and/or directly related building cracking or movement damage due to Escape of Liquid, leakage or overflow of water and sewer pipework.
- Investigation into swimming pool damage through influence of hydrostatic pressure through overflow bursting or leaking pipework, overflowing pools or pool shell leaks.
- Instruct and coordinate plumbing specialists to undertake specific pipe leak investigations of stormwater, sewer, supply, irrigation or pool filtration water pipework.
- Investigate water consumption data.
- Monitoring of building to determine relationship of building movement and leak and assist to optimal timing of repair.
- Recommendations for the extent and optimal timing to undertake repairs or remedial work.



IMAGE: POOL MOVEMENT

Structural Failure

- Coordinate investigation and examination processes bringing together information required for assessment.
- Provide in-depth analysis of the structure including effects of deterioration, manufacturing, construction methodology or environmental factors influencing failure.
- Preparation of detailed reporting on the mode or sequence of failure.
- Detail repair documentation to reinforce or reinstate the structure.

Earthquake Damage

- Investigation and assessment of earthquake magnitude and its relationship to building damage relative to the epicentre.



IMAGE: ROOF COLLAPSE

General building movement and cracking

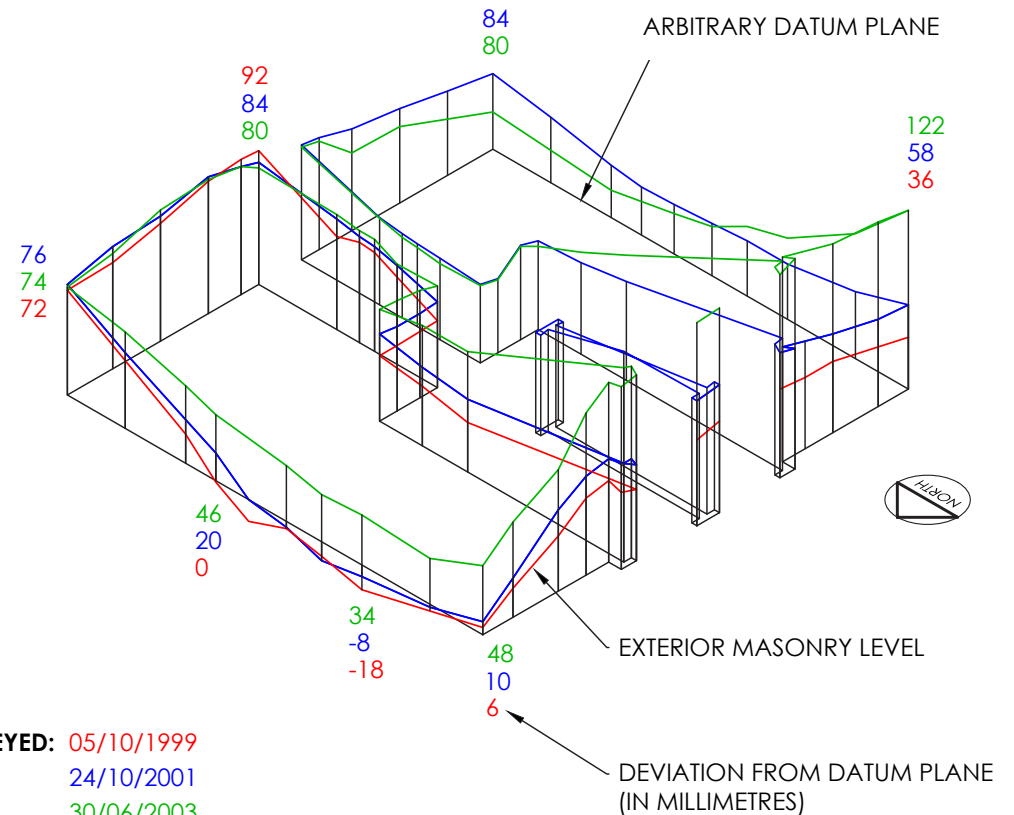


IMAGE: WALL CRACKING

- Utilise specialist investigation and data collection techniques to form an in-depth understanding of specific influences on building movement - be it soil characteristics, soil drying or wetting influences.
- Reports that set out the underlying causes of building movement, historical building cracking, misbehaviour of timber flooring, or other materials-related movements such as tile or brick expansion, concrete 'cancer', timber rot and more.
- Reports can be used by Insurer to assess liability and Policy response.



Specialised services

SPECIALISED REQUESTS SUCH AS:

- Determining the period for which a particular event (such as water pipe leakage or building degradation) may have been occurring or contributing to the damage evident.
- Preparation of expert reports to assist with the resolution of circumstances that are the subject of Internal Dispute Resolution (IDR) procedures or that might proceed to the Australian Financial Complaints Authority (AFCA). These include complex and contested claims.
- Preparation of expert reports for litigated matters, such as liability claims, and recovery actions.

OTHER ASSESSMENT CAPABILITIES

- Lightning strikes,
- Explosions,
- Drilling and vibrations,
- Poor execution of works (building defects),
- Lack of Maintenance.

DRONE CAPABILITIES

- Utilise drone technology for high level access to buildings or sites providing a bird's eye view for better assessment and reporting.



MANAGEMENT TEAM



PHIL PRIDER
Principal

Phil Prider is one of the Founding Directors of Imparta Engineers, established in 1999. With a Bachelor of Laws and a Bachelor of Civil Engineering with Honours, Phil brings over 30 years of extensive experience in the civil and structural engineering fields. His capabilities include providing expert witness reports within the insurance and building industries, showcasing his deep knowledge and credibility.

Under Phil's visionary leadership, Imparta Engineers has grown from its base in Adelaide to expand across the eastern seaboard of Australia. This growth is a testament to his strategic acumen and dedication to excellence in engineering.

Phil is a Registered Engineer in Australia and holds memberships in numerous state-based engineering registration schemes. These affiliations highlight his commitment to maintaining high professional standards and staying engaged with the engineering community.

Phil is also a snowboarding tragic, an avid cyclist and enjoys surfing when the weather permits, reflecting his passion for an active and balanced lifestyle.



JOSH MILLER
Principal

Josh Miller began his engineering career after obtaining a Bachelor of Civil and Water Engineering with Honours from the University of South Australia in 2000.

In 2012, Josh moved to Sydney to explore opportunities on the eastern seaboard, where he played a crucial role in the significant growth of the company. His leadership and strategic vision have been instrumental in the development and expansion of Imparta Engineers' operations in both Melbourne and Brisbane.

Josh's innovative approach and adoption of cutting-edge technology have been pivotal in establishing Imparta Engineers as an industry leader.

Josh is an internationally registered engineer, who specializes in complex structural failures and logically piecing together the elements and events that led to failure.

Outside of his professional life, Josh enjoys getting into nature, exploring and hiking.



SIBBE LODENSTEIN
Principal

Sibbe Lodenstein was appointed Director of Imparta Engineers in 2024, bringing over 20 years of leadership and management experience within the Company. Sibbe has a robust background in management and a proven track record of developing strong interactive teams in providing innovative design solutions.

Under Sibbe's leadership, Imparta Engineers has flourished, known for its commitment to excellence and well-thought-out contributions to sometimes difficult challenges. Sibbe's experience and vision have been pivotal in driving the company's success and reputation in the industry. Sibbe believes in the importance of partnership within the insurance and building industries in delivering positive outcomes for all stakeholders.

Having worked on projects across Australia, he is a licensed building practitioner in numerous States and member of the BDAA. These affiliations underscore Sibbe's dedication to maintaining high professional standards and staying abreast of industry developments.

Beyond the professional realm he enjoys the world of trail running, a testament to a commitment of personal well-being and balance.

Work with us

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