

When to Use High Energy Impact Compaction (HEIC)



HEIC is a powerful alternative to traditional compaction methods. Use this checklist to quickly determine whether HEIC is right for your next project.



Consider HEIC if your project involves:

- **Deep fill zones** requiring ground improvement beyond the reach of conventional rollers
- **Soft or problematic soils** that don't respond to standard compaction
- **Old industrial or brownfield sites** with buried waste, infrastructure, or contamination
- **Land with unknown fill material** or poor historical compaction records
- **Projects under time pressure** where faster settlement and certification is critical
- **Budget-sensitive jobs** that can benefit from faster completion and reduced rework
- **Major infrastructure development**, such as airports, ports, or rail corridors
- **Remote or logistically challenging locations** where fewer passes and less equipment is a benefit



HEIC may not be suitable if:

- **There are strict vibration restrictions** due to nearby structures or sensitive equipment without **mitigating solutions** such as a **vibration cutoff trench**
- **The site has shallow, fragile utilities** that cannot be relocated or protected
- **Compaction needs are minor or surface-level only**, suitable for traditional methods

Still unsure? Our engineers can assess your site and provide expert guidance on the right ground improvement strategy.

Call **1300 237 045** or visit **landpac.com.au** to get started.