



*Bringing safe nuclear power to Australia*

**SMR NUCLEAR TECHNOLOGY PTY LTD (SMR-NT)** is a firm specialising in the development of nuclear power generation. It is leading the effort to bring the safest SMR nuclear power generation technology to Australia, providing a means to reduce Australia's greenhouse gas emissions and increase Australia's energy security.

### **What are SMRs?**

SMRs are small modular reactors with electricity generating capacity of between 50-200 megawatts, enough to safely power a small city or a large industrial plant.

SMRs are self-contained, factory-produced plants that can be shipped by road, rail or sea to suitable sites. They are safer and much simpler to operate than the larger nuclear plants.

SMRs provide for 'passive' safety operation. Most of the larger reactors utilise active safety features (mainly electromechanical devices) to provide reactor cooling and shut off systems in the event of reactor incidents. SMRs do not rely on such devices and do not require external electricity supplies or pumps to cool the reactor.

SMRs also do not require large water supplies and can be located away from the coast. They are installed partially underground for additional safety protection.

### **Who is SMR-NT?**

SMR-NT is an Australian firm established in 2012. Its directors together have over 100

years' experience in power generation and over 50 years' experience in nuclear power.

SMR-NT has a paramount commitment to safety, transparency and honesty in all of its dealings. It also supports the involvement of the Australian community in nuclear power development.

### **What is SMR-NT doing?**

SMR-NT is negotiating with nuclear technology suppliers and is studying suitable sites for the development of SMRs in regional generation-deficient locations where costly upgrades to the transmission grid can be avoided.

SMR-NT is advocating to the Australian Government that it should establish an Australia-wide best practice regulatory regime for SMR nuclear power generation, in accordance with the best practice guidelines of the International Atomic Energy Agency.

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### **SMR NUCLEAR TECHNOLOGY PTY LTD**

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