

# THE FOUR BENEFITS OF SMALL MODULAR REACTORS

Nuclear power has an important role to play in achieving net zero. Traditional nuclear power plants, however, can be costly and take up to 12 years to come online.

Small modular reactors (SMRs), which are less than 300 MWe in capacity and manufactured in modules, offer several advantages to their traditional counterparts, as we outline below.

Source: International Energy Agency (IEA), Australia's Nuclear Science and Technology Organisation (ANSTO)



## 1 COSTS

SMRs require a lower capital investment due to their compact size. They can also match the per-unit electricity costs of traditional reactors due to various economic efficiencies related to their modular design.

### ECONOMICS OF SMRs AND LARGE NUCLEAR REACTORS



Source: Nuclear Energy Agency via OECD. | Chart is for illustrative purposes only. Costs per unit of electricity is an average over the project's lifetime.

# Small Medium Power Reactors 2vol

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