

Table 21 · LWR SMR Designs in Advanced Regulatory Stages in Various Countries

Vendor/Design	Gross Capacity (in MWe)	Design Features	Projects	Regulatory Stages
Rolls-Royce Rolls-Royce SMR, PWR	470	Conventional PWR	Wylfa (UK) Temelín (Czech Republic) Ringhals (Sweden)	UK Completed Stage 2 of 3 of GDA process 2024. US pre-application activities started 2025.
Holtec SMR-300, PWR	320	Integral design. Core is deep underground. Reliant on passive safety.	Cottam (UK) Pioneer (US)	UK Completed Stage 2 of 3 of GDA process in 2026. US phased construction permit applied for.
GE Vernova BWRX-300, BWR	316	Based on ESBWR (1600 MW). Reliant on passive safety.	Darlington (Canada) Clinch River (US)	Canada Construction license granted/work started UK Completed Stage 2 of 3 of GDA process in 2025. US pre-application activities started in 2019. Clinch River construction permit applied for.
NuScale VOYGR, PWR	77	Integral design submerged in water, below ground. Designed as packs of 4, 6, or 12 reactors	Doicești (Romania)	US Design received design approval by the NRC in 2025.

Sources: Various, compiled by WNISR, 2026

Note: **ESBWR**: Economic Simplified Boiling Water Reactor; **PWR**: Pressurized Water Reactor; **BWR**: Boiling Water Reactor.