

TRL LEVEL	TRL Description
TRL 1	Basic principles observed – Scientific research begins to be translated into applied research and development (R&D).
TRL 2	Technology concept formulated – The basic principles are explored, and practical applications are identified.
TRL 3	Experimental proof of concept – Active R&D is initiated, including analytical and laboratory studies to validate predictions.
TRL 4	Technology validated in lab – Basic technological components are integrated to establish that they work together.
TRL 5	Technology validated in relevant environment – The technology is tested in a simulated or relevant environment
TRL 6	Technology demonstrated in relevant environment – A prototype system is tested in an environment similar to the operational one.
TRL 7	System prototype demonstration in operational environment – A working prototype is demonstrated in a real operational setting.
TRL 8	System complete and qualified – The technology is proven to work in its final form and under expected conditions.
TRL 9	Actual system proven in operational environment – The technology is fully commercialized and operational in its intended setting.