

TRL	Level Description
1	<p><b>Technology innovation identified</b></p> <p>A technology innovation is identified through a literature review, discovery of a new principle or practical need. No hardware or code has been created.</p>
2	<p><b>Technology concept formulated</b></p> <p>The innovation has moved to a theoretical form. Potential experiments to test the innovation have been outlined but experimental data has not been collected.</p>
3	<p><b>Technology proof of concept testing</b></p> <p>A prototype of the innovation is constructed in the laboratory. Initial proof of concept testing has been performed but killer issues still remain.</p>
4	<p><b>Technology validated in a laboratory environment</b></p> <p>The innovation prototype undergoes further laboratory testing to resolve previous killer issues. This results in validation under laboratory conditions. Potential challenges to innovation implementation or use by your industry partner have been identified.</p>
5	<p><b>Technology validated in a relevant environment</b></p> <p>The innovation prototype is fully validated in the laboratory using real world operational conditions supplied by your industry partner. The testing data supports the new technology is an improvement to the industry partner's current system.</p>
6	<p><b>Technology integrated and initial testing in operational environment</b></p> <p>For the first time, the innovation moves out of the laboratory and is assimilated into your industry partner's operating environment. Integration challenges are identified and component testing begins.</p>
7	<p><b>Technology validation in operational environment under test conditions</b></p> <p>The innovation is integrated into your industry partner's operational environment and the full system is tested using controlled operational conditions. Challenges are identified and a testing plan developed</p>
8	<p><b>Technology integration complete and validated under operational conditions</b></p> <p>Technology innovation is integrated into your industry partner's operating environment and tested under real world operational conditions. Any final challenges related to full scale production and use are identified but not completely solved.</p>
9	<p><b>Technology successfully deployed</b></p> <p>Technology innovation has been successfully integrated and is being consistently used under operating conditions by your industry partner. Any production or use issues or limitations are well understood.</p>