

SCIENCE & TECHNOLOGY **SCI-FT**

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Technology Readiness Level Summary

ion Missions

TRL	Level Description
Instruments	1 Basic principles observed and reported
Technology	2 Technology concept and/or application formulated
on	3 Analytical and experimental critical function and/or characteristic proof-of-concept
ogy Preparation	4 Component and/or breadboard functional verification in laboratory environment
logy	5 Component and/or breadboard critical function verification in relevant environment
oment	6 Model demonstrating the critical functions of the element in a relevant environment
re missions	7 Model demonstrating the element performance for the operational environment
logy Plan for	8 Actual system completed and accepted for flight ("flight qualified")
: Exploration	9 Actual system "flight proven" through successful mission operations
logy Readiness	

ogy Reference

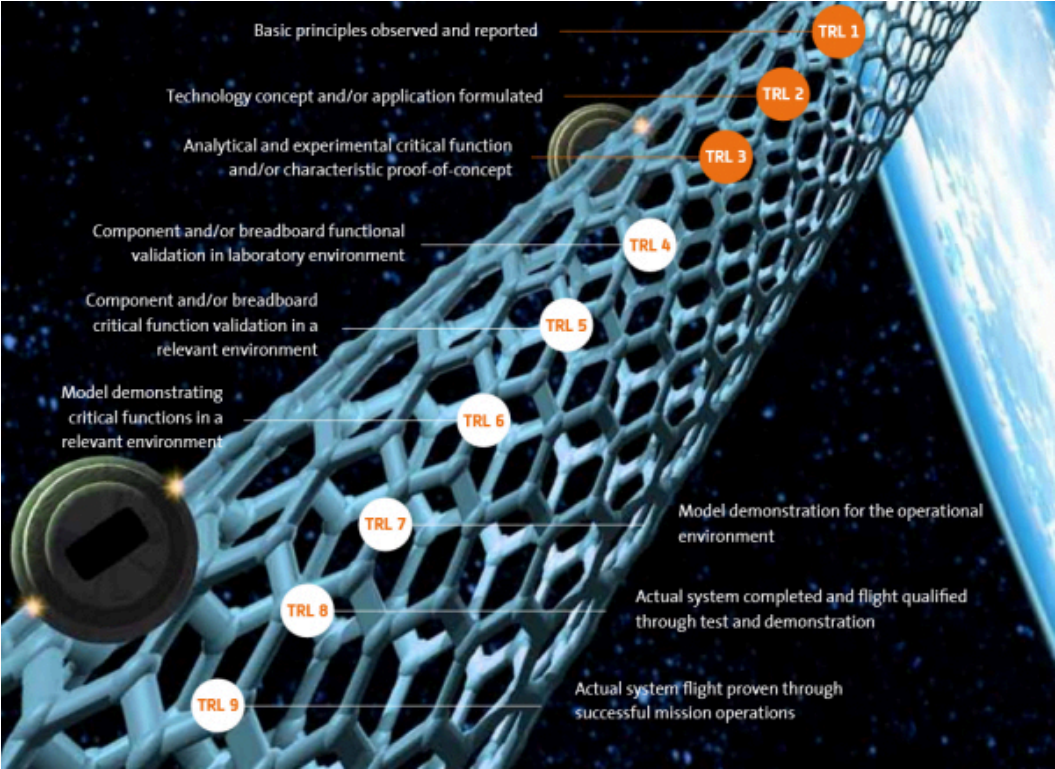
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Technology Readiness Levels. *Credit: ESA*

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