



MEASURE IN 5 EASY STEPS

# How to perform measurements with RanLOS measurement software

The screenshot displays the RanLOS software interface. At the top, the 'Instrument details' section shows the file name 'C:\Build\Project\RanLOS\Instruments\Communication Testers\Arrestu MT8821.ms', instrument type 'COMTEST', and description 'ARRESTU.MT8821C'. Below this, the 'Instrument address (GPIB or TCP/IP)' is set to '112.34.56.98001'. The 'Command/query string' is 'TDN?', and the 'System' is 'LTE'. There are buttons for 'Send command', 'Send query', 'Instrument preset', 'Return to local', and 'Run config file'. A 'Measurement control panel' on the right shows 'Setup: LTE MIMO - BLER & Throughput', 'Instrument: Arrestu MT8821', and 'Positioner: No positioner'. A 'Live results...' window is open, displaying a table of measurement data.

Power (dBm)	BLER	TPUT	TPUTREL	BLER1	TPUT1	TPUTREL1	BLER2	TPUT2	TPUTREL2
80	88.89	878	3.24	88.89	439	3.24	88.89	439	3.24
81	88.89	878	3.24	88.89	439	3.24	88.89	439	3.24
82	88.89	878	3.24	88.89	439	3.24	88.89	439	3.24
83	88.94	875	3.22	88.94	439	3.24	88.89	439	3.24
84	89.04	867	3.19	89.04	439	3.24	88.89	439	3.24
85	89.94	875	3.22	89.94	439	3.24	88.89	439	3.24
86	89.98	782	2.92	89.94	439	3.21	89.94	435	3.24
87	89.98	809	3.09	89.98	404	3.24	89.04	431	3.21
88	90.03	788	2.9	89.98	424	2.98	89.94	435	3.18
89	89.53	827	3.05	90.03	386	3.12	89.98	388	3.21
90	90.23	773	2.85	89.53	446	2.97	89.98	388	2.88
91	90.97	714	2.63	89.24	427	2.63	90.23	384	3.03
92	89.24	808	3.03	89.24	427	3.12	90.97	384	3.12





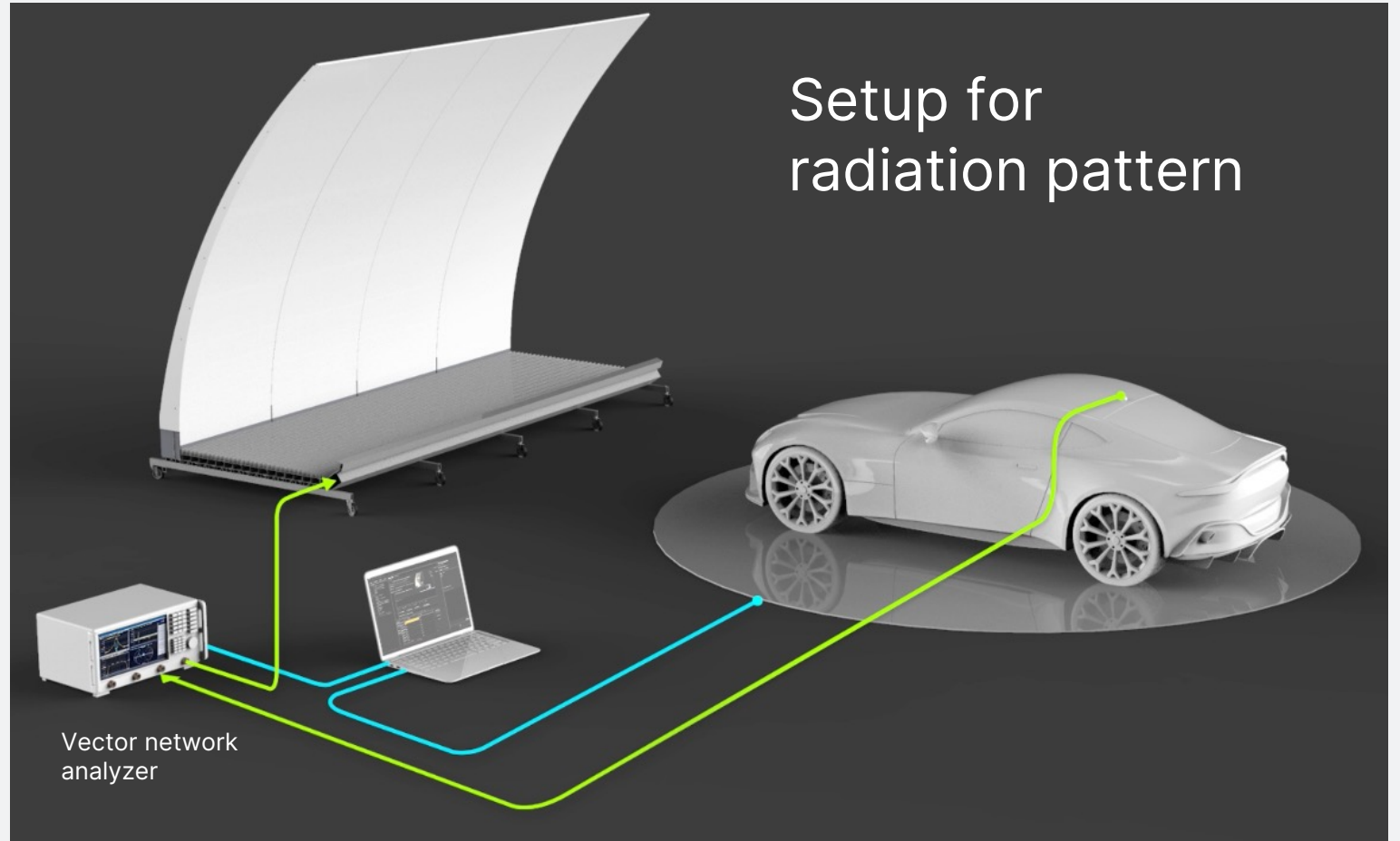
# Select setup

Select from passive or active setups

01

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Select setup



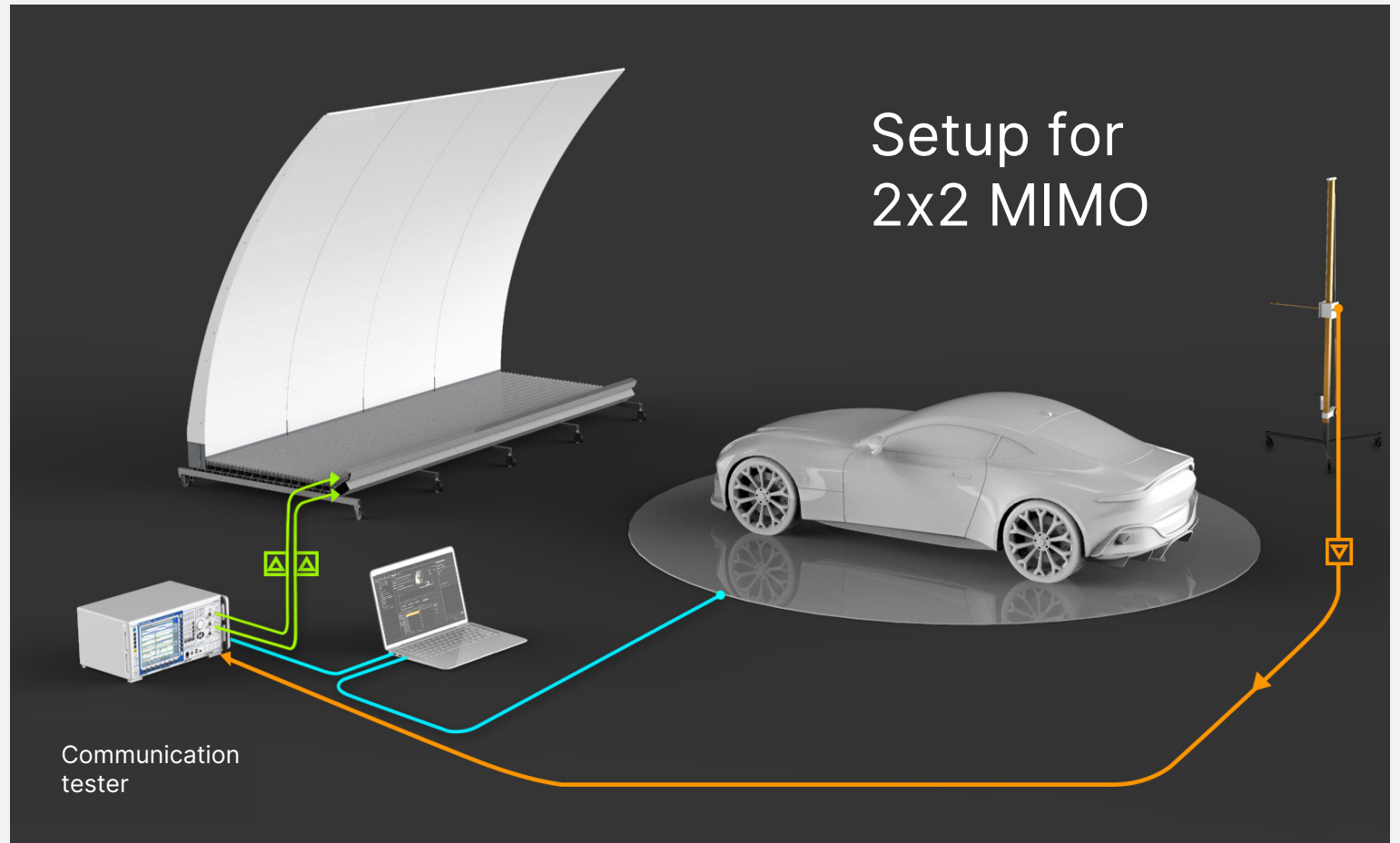
# Select setup

Select from passive or active setups

01

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Select setup

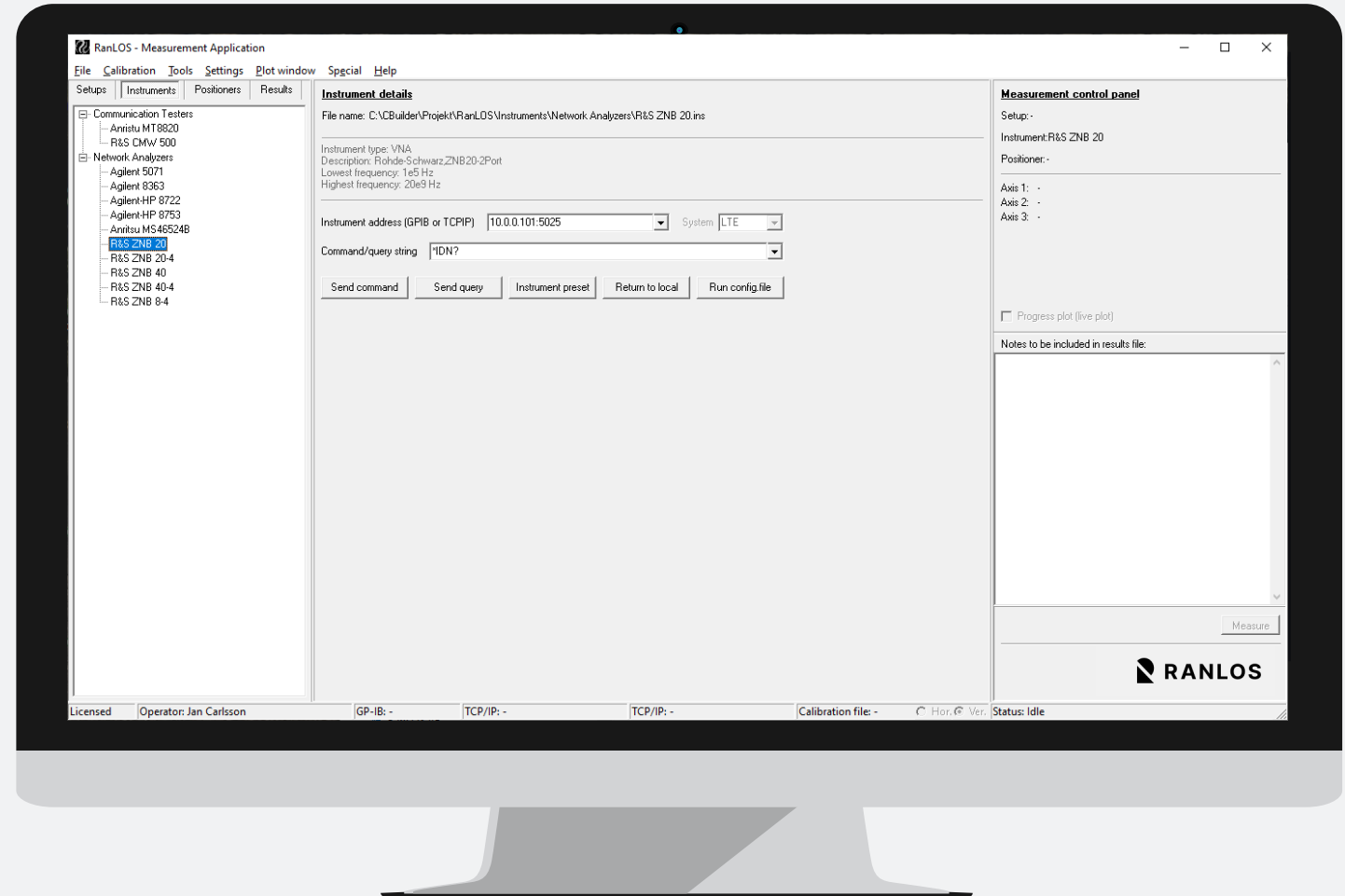


# Select measurement instrument

Vector network analyzer or communication tester

02

Select  
measurement  
instrument



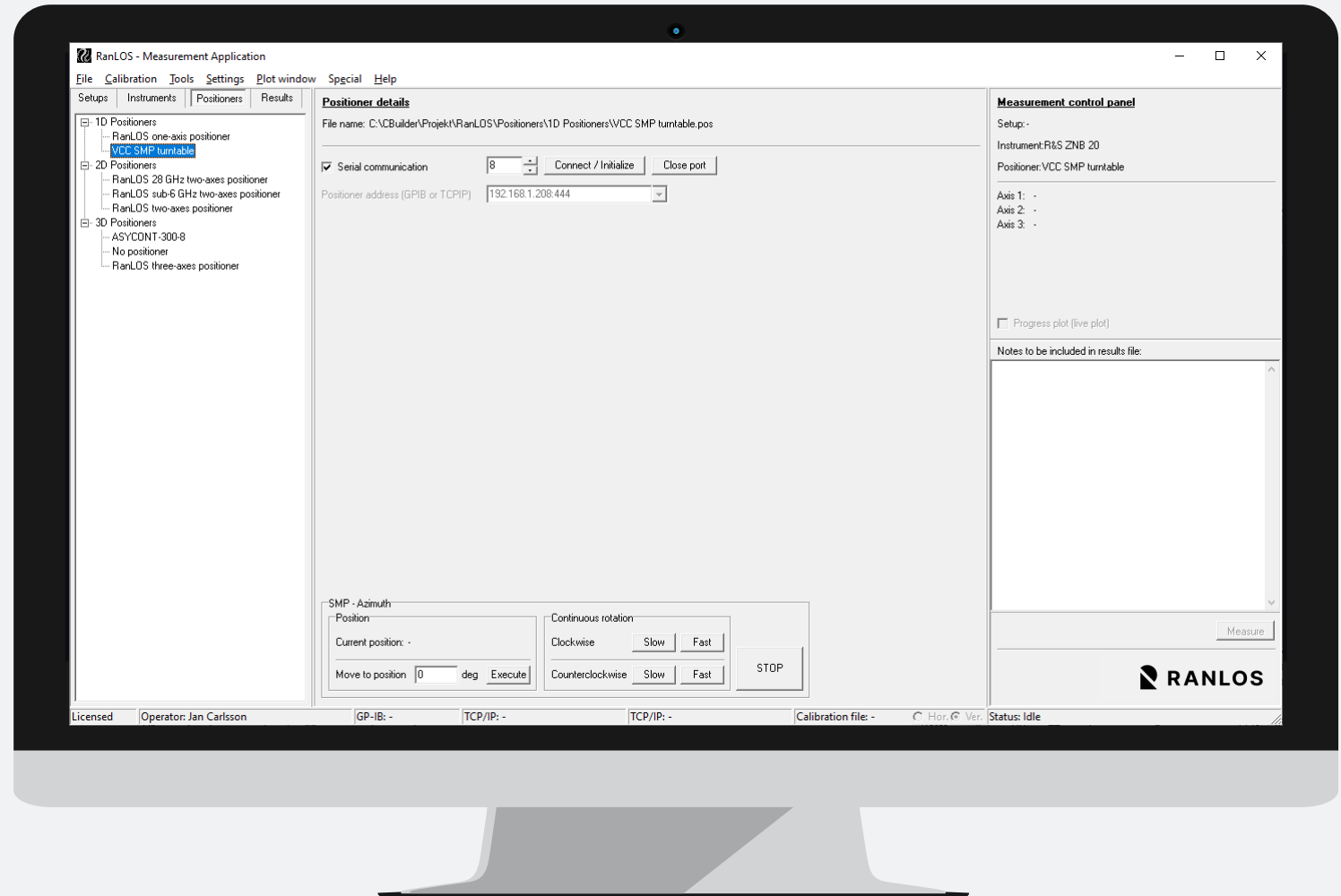


# Select Positioner

Turntable or multi-axis positioner

03

Select  
positioner

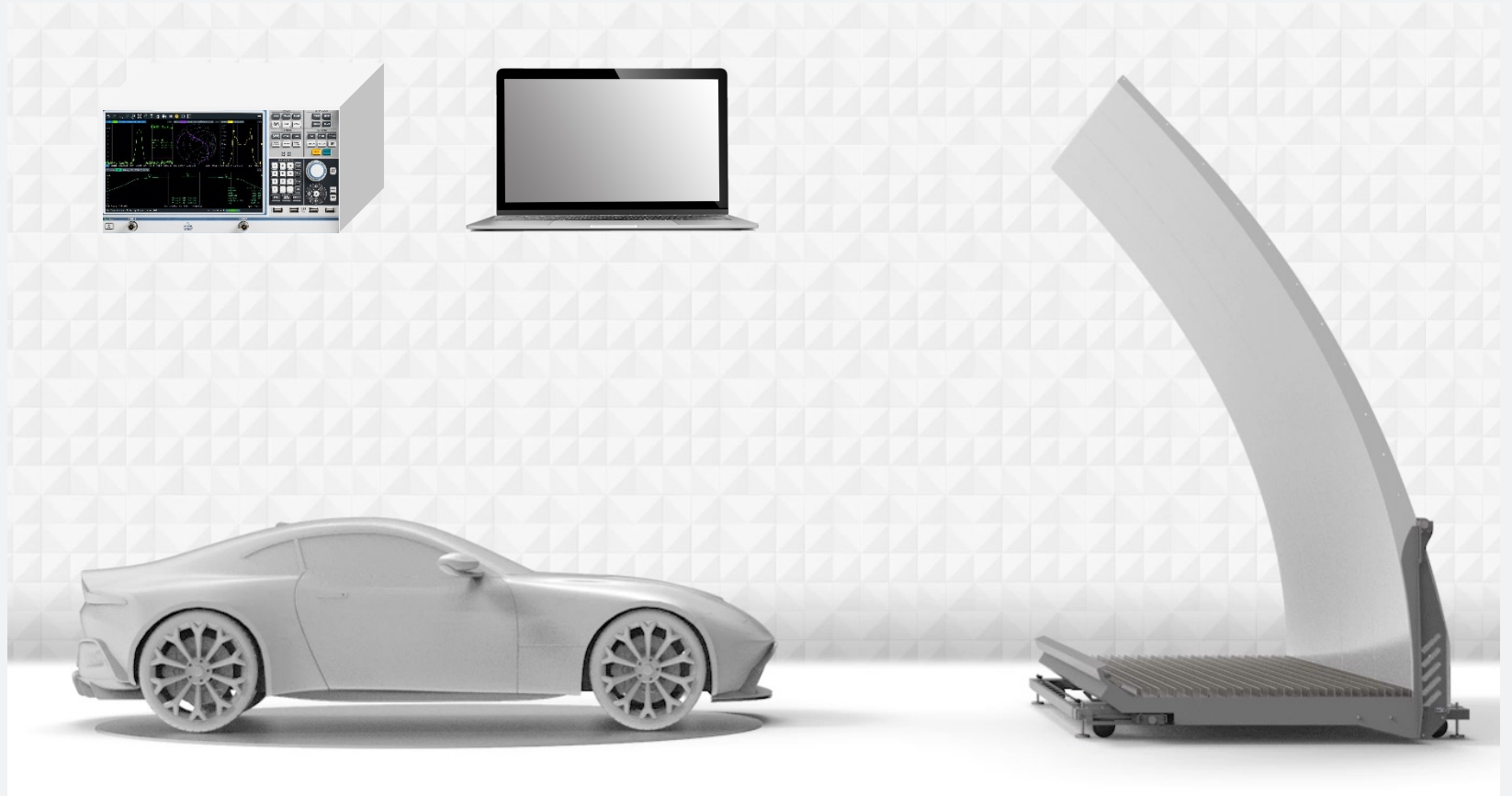


# Perform measurement

Instrument and positioner controlled by software

04

Perform  
measurement

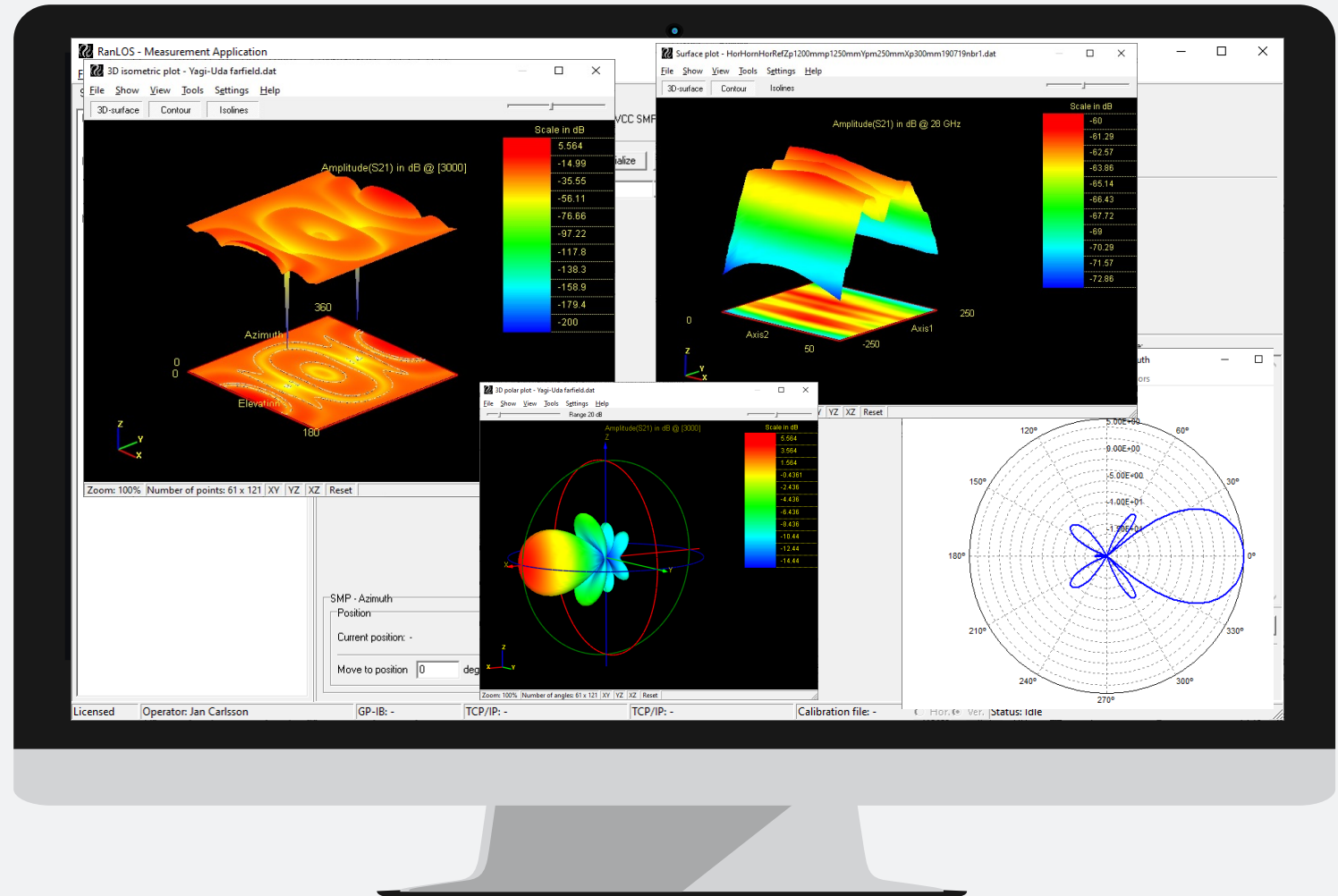


# Analyze result

Plot as 1D, 2D or 3D

05

Analyze result







[ranlos.com](https://ranlos.com)