

Details on the following projects are available in the Annual Report.

	TITLE	YEAR
1	An open-source digital image correlation software system in python.	2023
2	Development of a decision-support roadmap for performing a life cycle assessment on rail vehicles.	2023
3	An optical rail wheel measuring solution.	2023
4	Operators' safety and productivity in the rail maintenance environment: an ergonomic study.	2023
5	Warehouse space optimisation.	2023
6	Optical based detection of railcar wheel flat spots.	2023
7	Using a model train to identify track defects.	2023
8	Development of a virtual reality technology welding simulator.	2023

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9	Whole-body vibration calculator for occupants of railway vehicles.	2023
10	An optical rail wheel measuring solution.	2023
11	Measurement of rail car aerodynamic load coefficients.	2022
12	Quantify, assess and improve the employee satisfaction levels for Gibela's engineering division.	2022
13	Rail track condition monitoring: Track Gauge.	2022
14	Modelling of a four-point train rail car levelling system.	2022
15	Human behaviour on product safety.	2022
16	Machine learning implementation for railway sub-system failure predictions.	2022