

# SEMI-TRAILER PLANT

7Tao support educational institutions in simulation and development of model production lines and plants.

7Tao lay out a heavy goods plant environment for the students. We set up a semi trailer plant with Big Rig builds encouraging the students to use the latest in problem solving tools combined with exciting technologies. Students will build large scale trailer trucks in a challenging build, run and test environment.

Students will be challenged to build 'big rigs' and large scale trucks as they solve complex electrical, mechanical and drive based problems. They are challenged in physics, dynamic maths, symmetrical factory based work processes and organizational issues as they organize themselves for work based learning.

7Tao use the latest in Gasoline, Electric and Nitro based fuel systems to ensure that the factory simulation is true to life.

Students 'work through play' as they deep dive into challenges which realise their full potential in the manufacturing and engineering world.

The Semi Trailer Plant program can be a one day introduction or a full 5 day training course which is certified to NVQ Level with an Engineering Awarding body.



| Q & A  |           |
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| Number of students in a cohort   | 10 to 20  |
| Number of engineering and manufacturing techniques that could be learned | 25+       |
| Engineering problems to be solved  | 30+       |
| Age range  | 14+       |
| Number of products to be built   | 5 - 25    |
| Certification process with EAL Engineering Awards                        | Available |