

Keeping 200 million passengers a year on track

It goes without saying that the safety of the general public is pivotal in everyday life, therefore public transportation needs to be fully reliable and continuously remain safe for both drivers and passengers.

LOCTITE®

Industry Sector:
AUTOMOTIVE

Application:
PUBLIC TRANSPORT



Only **5%** of time is allocated to the repair and maintenance of Croatian public transport

and each tram requires a **35 year** service life

Problem:

Due to strict time scales on the repair and maintenance of public trams, one Croatian transport manufacturer was looking for an effective way to ensure that the locking bolts on their trams were safe and reliable.

Transporting over half-a-million people a day, each wheel needs to sustain loads of up to 60 tonnes, with each of the 12 bolts capable of resisting rigorous vibrations transmitted through the trams.

For each tram, only 5% of time is allocated to repair and maintenance, so using a safe and reliable means of locking the bolts is essential.

Solution:

To achieve this level of reliability, the manufacturing plant in Zagreb relies on Henkel's LOCTITE range of adhesives.

Each component of the wheels must be safely locked and secured in place. In order to lock the studs in the gearbox housing and secure the bolts to the wheels, the company uses the anaerobic Threadlocker LOCTITE 243 for its high load and vibration resistance, ensuring longer product life.

LOCTITE 243 completely seals the threads, preventing the ingress of moisture and subsequent corrosion. This means that the bolts can be removed at a later stage within the allocated maintenance schedule.