

# PROJECT: PKM



NOISE IMPACTS  
CAUSED BY RAILWAY

A photograph of railway tracks at night, with long, bright light trails from passing trains creating a sense of motion. The tracks recede into the distance, and the surrounding area is dark.

## RAILWAY TRANSPORT AS A NOISE SOURCE

Environmental impacts of noise

**Country:** Poland  
**Region:** Pomeranian Voivodship  
**Client:** Railway administration (PKM S.A.)  
**Year:** 2016, 2017  
**Duration:** 3 Months  
**Value:** - - -

### Background:

PKM is an unique initiative focused on the construction and development of local railway transport around the Tricity in Poland. The railway started its operation in 2015 with ca. 20 km of the newly built railway line which operates more than 30 tsd trains per year. As every new investment, a detailed noise study was required.

### Scope of work:

Service included a comprehensive ex-post evaluation focused on noise and vibration prepared acc. to the Polish Law. The noise map was prepared including data on the 3D terrain model (DTM), attributes of the surrounding area as well as technical solutions used on the line. The client received a set of noise maps prepared for different noise sources in day/night variants.