











BSc and MSc project in the ASPARI research unit

Company and Location	         
Type of project	Bachelor
Title of topic	Measuring and reducing CO ₂ emission rate on asphalt construction sites
Project background / context	Global warming had been always a big concern in developed countries. All industrial equipment produce CO ₂ . Our aim is to quantify the CO ₂ emissions on asphalt construction sites and study/develop simple steps to reduce the carbon footprint on the construction site.
Main research question	<p>What is the appropriate methodology to quantify CO₂ emission on asphalt construction site?</p> <p>What steps can be undertaken to reduce pollution on the construction site?</p>
Research method(s)	<ul style="list-style-type: none"> - Literature study - Empirical study
Main outputs	Measurement sensors for CO ₂ and instruction for reducing pollution rate.
Contact(s) at the company	The chosen company will be decided upon in discussion with the student (there are various options)
Start date	ASAP
Contact at the UT	Seirgei Miller s.r.miller@utwente.nl ; Denis Makarov d.makarov@utwente.nl ; Afshin Jamshidi a.jamshidi@utwente.nl