

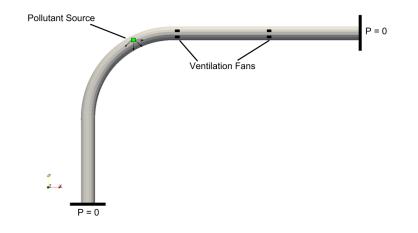
# Advanced Simulation in Transportation

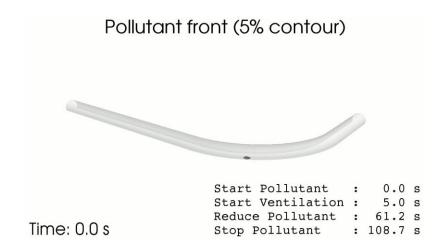
JULY 2018

DR DJAMEL LAKEHAL; DJAMEL.LAKEHAL@AFRY.COM

WWW.AFRY.COM/AMS; AMS@AFRY.COM

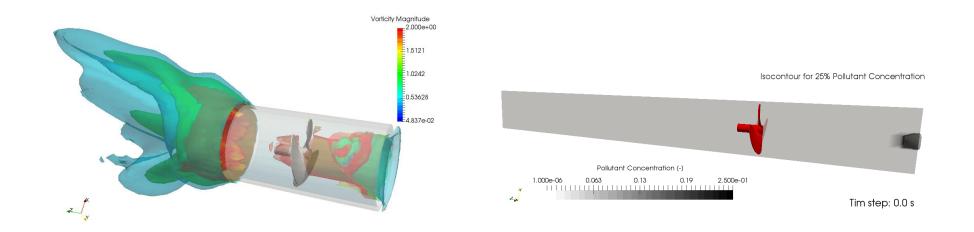






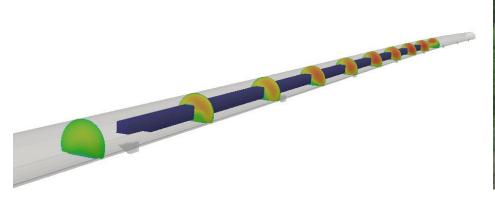
**Smoke extraction using point sources** 



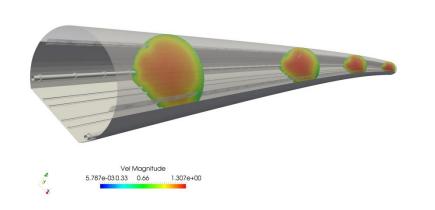


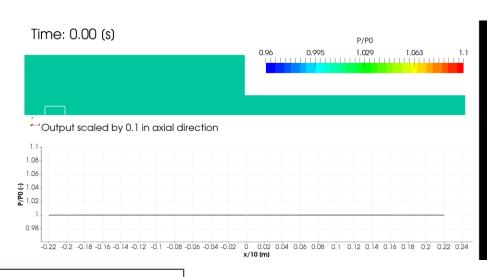
**Smoke extraction using fans** 





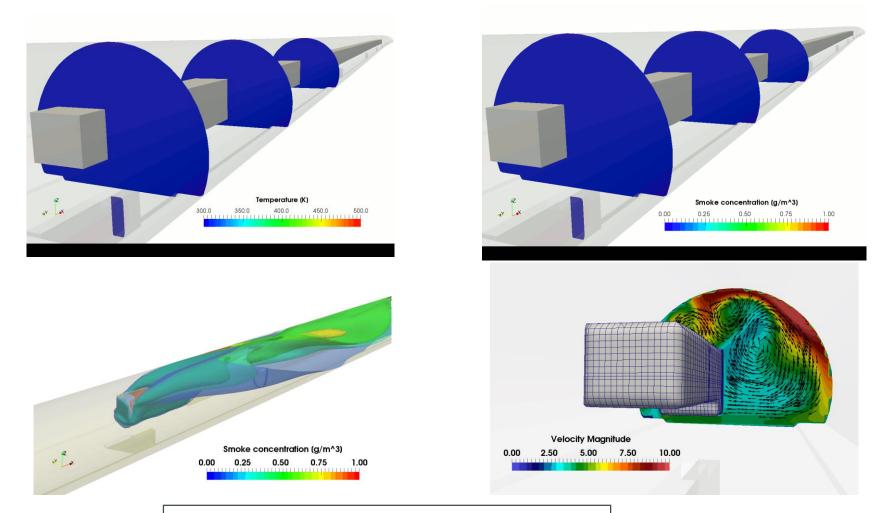






Shock propagation in a rail tunnel

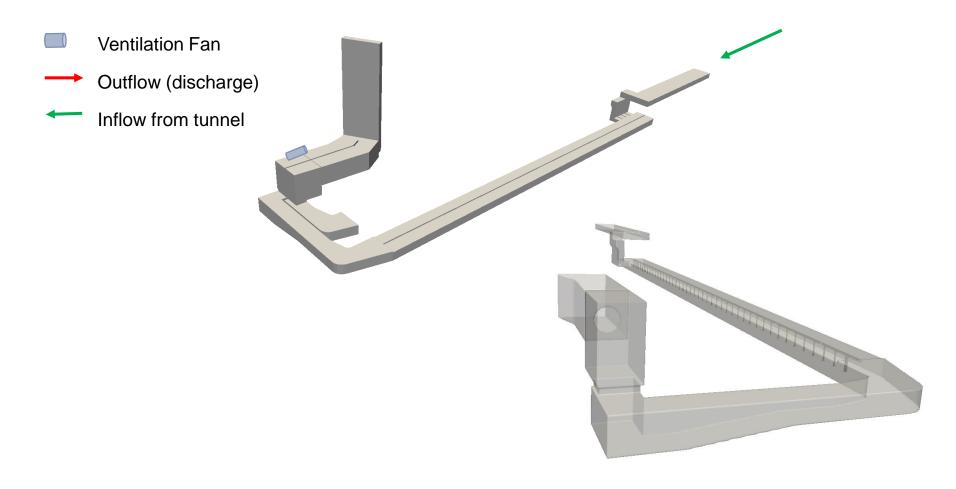




Fire & smoke propagation in a rail tunnel



MAIN FIGURES



SIMULATION OUTPUT

