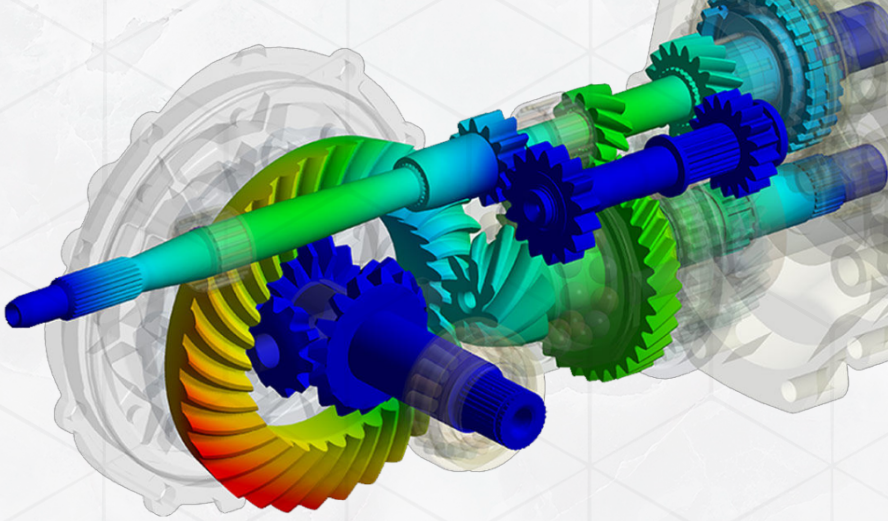

CASE STUDY

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FLUIDCODES

CASE STUDY

SAIPEM

MEG AND SOLVENT MIXING STUDY

CHALLENGES

Our client needed to model injection of thinning solvent into existing gas piping system.
The study was required to ascertain if mixing would be sufficient at various critical locations.

ENGINEERING SOLUTION

The study showed that injection location would need to be shifted and also that no quills were needed, giving significant cost saving and client assurance.

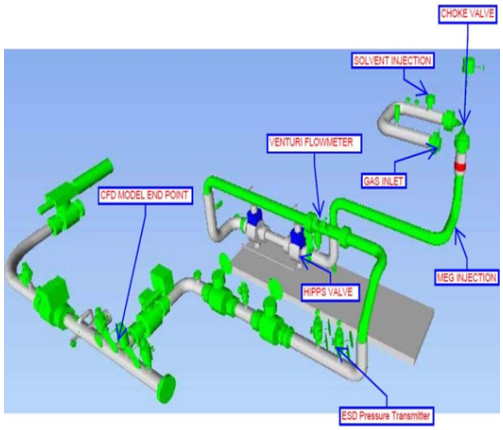

Figure 1. *Model of injection and gas piping system*

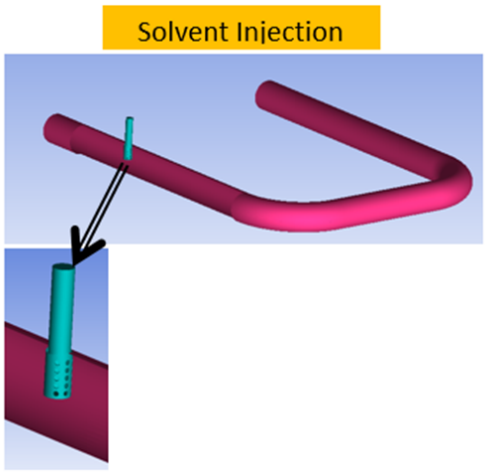

Figure 2. *The model of piping system and injection pin*

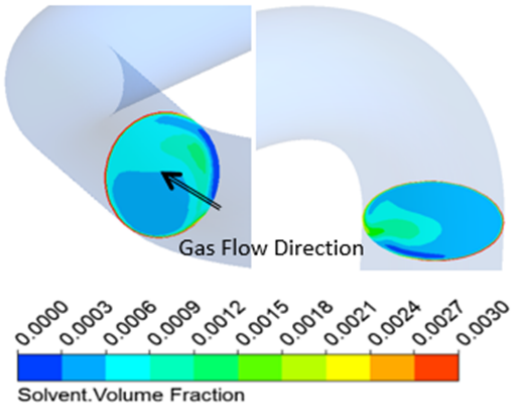

Figure 3. *Contour plot indicating the Volume fraction in ppm*