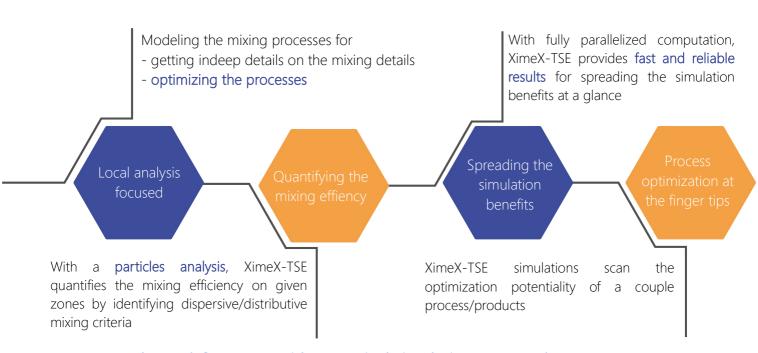
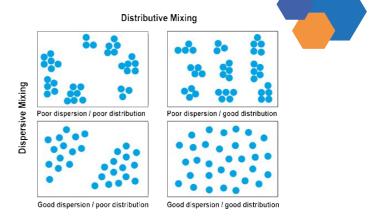
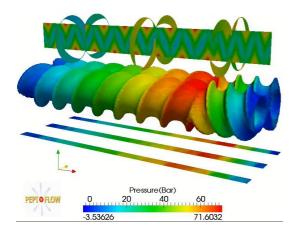


Features 3D efficient functionalities for twin-screw extruders LOCAL analysis. XimeX-TSE simulates your own TSE equipment for optimizing its efficiency. User's mesh-free SCC specific technology: no numerical skills required!



XimeX-TSE is designed on the basis of XimeX strategic Initiative: A research project dedicated to mixing processes simulation platform, led with a pool of industrials companies and supported by SCC and CEMEF lab from MinesParisTech.





Numerical technology

The XimeX development platform introduces a single mesh multi domains approach developed by the Cemef (Cimlib®). This allows to easily address complex geometries and kinematics. No more troubles to generate meshes!





Material Rheology

When addressing mixing objectives, rheology of material is the key point. XimeX uses a Cemef designed algorithm to solve FEM problems even with **extremely complex rheologies** (threshold, non newtonian ...)





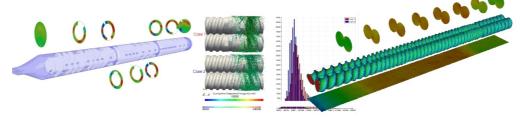
Process Optimization

Computation accuracy is used for testing many configurations of a given equipment. This makes easier the process optimization in a few results analysis.

The particles statistical analysis allows to track particles on the material flow to identify the physical phenomena and **quantify the mixing** of a given equipment.

Particles can be analysed from different point of views: position, velocity, strech, erosion, entropy ...





Replace trial & error with numerical simulation to save time & money

Sciences Computers Consultants Headquarter
10 rue du plateau des glières
F-42000 Saint Etienne France
+33 4 77 49 75 80
scc@scconsultants.com
http://www.scconsultants.com



