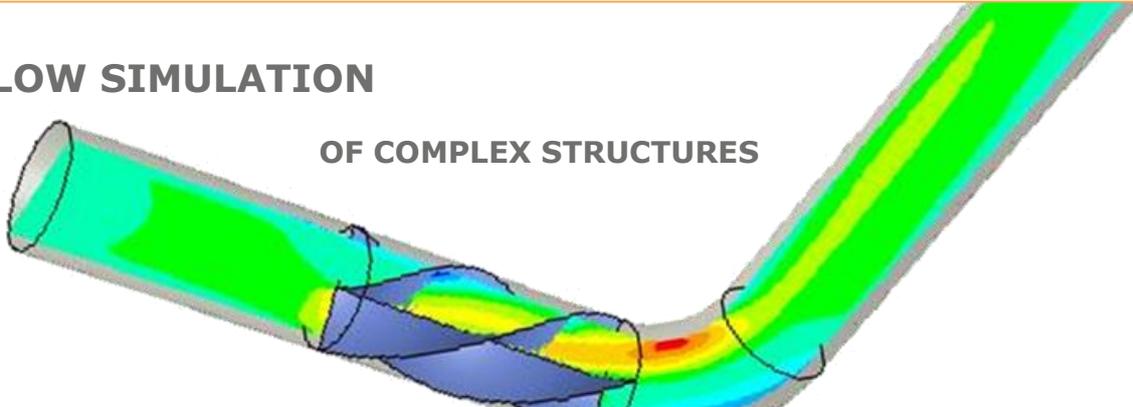


## FLOW SIMULATION

### OF COMPLEX STRUCTURES



#### Three-dimensional flow simulation

of complex structures and geometries such as

- turbines,
- pumps,
- vehicles,
- vessels

can be implemented in consideration of

- multiphase flow simulations,
- chemical reactions,
- combustion,
- vaporization,
- compressible properties,
- physico-chemical processes.

Using physically and numerically correct turbulence models,

- particle emission,
- multiphase system,
- free surface current

can be reliably determined.

With the solution possibilities of complex flow simulations, we specifically focus on tasks in the following sectors:

- Machinery and Plant Engineering
- Aircraft, Automotive and Naval Engineering
- Pumping Equipment, Pipeline Engineering, and Turbine Manufacturing
- Process Engineering
- Building and Climate Technology
- Electrical and Instrument Engineering
- etc.

