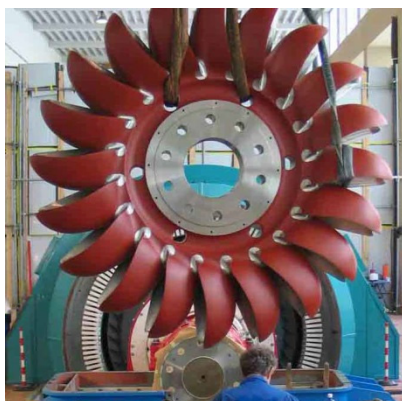
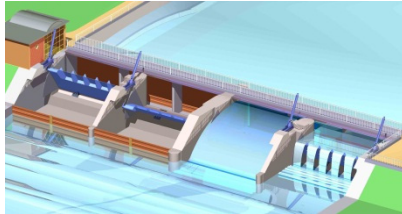


# Your reliable partner for all tasks in plant and safety engineering



## Our mission

As an independent university institute we are complying with the extended mandate in education, applied research and development (aR+D) as well with engineering services (ES) and are committed to the development of up to date mechanical engineering technologies.

## Our services: applied research and development

We are looking for new knowledge in engineering with **research in mechanical design**. We are delivering basic knowledge and concepts for:

- |                    |  |
|--------------------|--|
| <b>innovative,</b> | - innovative, market driven              |
| <b>safe,</b>       | - conform, according to the requirements |
| <b>operable</b>    | - reliable, available and maintainable   |

machinery and plants.

We are elaborating application oriented basics for **RAMS – management** (Reliability – Availability – Maintainability – Safety) in design and knowledge based operation of machinery and plants with federal subsidies (KTI) and other organisations.

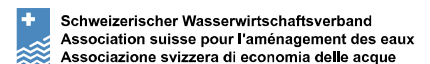
## Our services: development, engineering, experts

We are independent and provide engineering on the state of the art:

- Operation and maintenance
- Realisation of machinery and plants
- Verification of structural safety and serviceability
- Safety engineering: hazard analyses and risk evaluation, EC-conformity
- Design: development, cost-down, trouble shooting
- Engineering: planifications, verifications, expertises
- CAE – analysis and simulations (FEM, CFD, acoustics, oscillation, earthquake, ...)

## Our services: education

We are supplying a future oriented contribution in education of Bachelor- and Master students. We impart our application oriented know-how willingly to industrial partners and operators.



## Your customer's benefit

- Security in development and operation
- Development projects and innovations
- Access to actual and overall know-how
- Access to high-capacity CAE-tools and hardware
- Completion of personal and infrastructure shortages
- Access to subsidies aR+D
- Troubleshooting
- Experts services, neutral submissions



## Your institute for safety and plant engineering

- Power plant technology, hydraulic steel structures, equipment, turbo machines
- Mechanical and plant technology
- Drive engineering, construction machinery
- Ropeway technology
- Knowledge based operation
- Constructions, penstocks and piping

