

research & development

From Ideas
to Action





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JJJ-Consult Dr.techn. Jens Jacob Jensen AS does technical advisory services, consulting services and R&D in the areas structural engineering, ICT and learning.

Products

- **Technical assistance within a limited sector of the subject of structural engineering** – For particular problems in the area of structural engineering, where specialist knowledge is required, JJJ Consult AS offers services such as research and calculations. This includes special assignments in the fields of vibrations, dynamics and accident prevention, with special reference to concrete structures such as industrial buildings, bridges, marine structures and fortifications. Services may be on the borderline between research and traditional consulting and may be relevant to builders and consulting engineers who do not have special competence in these areas.
- **Promotion and dissemination of research results for practical purposes** – JJJ Consult AS' main goal is to promote research results in order for them to be put into practical use more quickly. On the basis of current issues in industry the company identifies research results that can be utilized in practical dimensioning or for information purposes in developing practical tools like guides, spreadsheets, reference works, etc., to be distributed on digital media, e.g. CD-ROM.

- **Development of technical information and learning materials directed at children and adolescents** – The building industry presently suffers from a lack of recruitment. How can the building industry be more attractive to young people as they choose a profession? JJJ Consult AS is ready to take on assignments for the development of technical information and learning materials to be used in the recruitment of budding engineers who can play, think and create. Suppositions are made on the basis of the mind set of young people, with approaches ranging from kindergarten to high school and university. JJJ Consult has developed materials suitable for schools, museums and science centres that explain phenomena from physics, environment, art, society, etc. The focus is on opportunities and responsibility. Products include books, models, CD-ROMs or Internet applications.
- **ConTre – bridge model set system** – ConTre is a bridge model set system consisting of wooden rods, beams and slabs. It aims to stimulate young people to learn about the structural engineering profession and the design process using math, science and technology. With a complete set, delivered in a special wooden chest, a couple of persons can simultaneously build 8 different bridge

types such as trusses, arch bridges, free cantilever bridges, floating bridges, suspension or cable stayed bridges. Single bridge sets for trusses and arch bridges are also available. Instrumentation and loading equipment for the material and structural testing of models have been developed. The equipment may be a part of a mini "structural test lab" for schools, recruiting young people for civil engineering research. CD-ROMs containing drawings, pictures and instructions are included.

