

<b>Address</b>	1-3-9, Shibadaimon, Minato-ku, Tokyo, 105-0012, Japan		
<b>Contact Person</b>	Dr. Yukihiisa Yabushita	<b>E-mail</b>	yabushita@csaj.co.jp
<b>Phone</b>	+81-3-5776-1838	<b>Fax</b>	+81-3-5776-1859

## Corporate Information

Computer Simulation and Analysis Japan (CSAJ) was founded in 1999 by a group of nuclear safety analysts with the idea of providing the industry and projects with an independent and neutral view on nuclear safety as an independent company. CSAJ is a consulting company located in Tokyo, Japan. The staff of CSAJ consist of nuclear and software engineers that specialize in providing services to the nuclear industry. CSAJ has provided technical and consulting services to nuclear electric utilities, national research laboratories, private research organizations and government agencies. This experience base allows CSAJ to provide support in nearly every aspect of the nuclear industry.

## Main Service

### Thermal Hydraulic Analysis

Thermal hydraulic analysis is one of the most important analyses for nuclear power plant safety. CSAJ staff has profound knowledge, skills and experience about thermal hydraulic analysis and has been successfully doing it for over 20 years. For example,

- We have analyzed numerous commercial and test reactors.
- We have developed many computer programs for thermal-hydraulic analysis.
- We have made improvement to analysis codes by adding new models.

We have experience and are skillful in using the major thermal hydraulic analysis codes such as RELAP, TRAC, RETRAN and COBRA.

### Probabilistic Risk Analysis

#### • Quantitative Solutions - PRA

Probabilistic Risk Analysis (PRA) is one of the solution techniques to estimate reliability by using statistics. PRA can provide valuable information to design, operate, and maintain complicated systems.

#### • Cost Effectiveness

Accident sequence analysis, that is one of the tasks in PRA, can provide occurrence frequencies of several

accident sequences. By comparing relative magnitude of them, it helps to make a decision on how the safety-related equipment works. This analysis also helps to reduce accident frequencies. PRA can show the effectiveness to a change, and the cost associated with the change. We can make relationship between the effectiveness and the cost of a change. This helps to run your business better.

#### • Application of PRA

CSAJ has a lot of experience to use this methodology for the nuclear plants and the nuclear fuel plants. We are also experienced in seismic PRA analysis of nuclear plants. Our track record provides confidence in helping you. We have a lot of knowledge in nuclear plants and skills of the PRA methodology.

#### • Software Services

CSAJ offers following software services.

- 1) Supporting Sales of Software
- 2) Developing Software
- 3) Software Maintenance
- 4) Technical Research Services

## Support of Business Expansion in Japan

CSAJ provides the various services to support the business development in Japan.

We support you to

- Introduce, market, and consult your premier products to government organization and industries in Japan.
- Coordinate meetings with your clients in Japan.
- Negotiate for establishing partnership.

We have experiences to tie up with the following companies.

- Zachry Nuclear Engineering, Inc., CSA -Analysis Division
- Micro-Simulation Technology
- ABS Group of Companies, Inc.