PIPA is Shell’s software suite for hazard consequence evaluation to support the development of emergency response plans and determine fire protection requirements.

It enables plant operators, safety engineers and fire chiefs to understand the impact of hazard consequences for any proposed design, comparing concepts and highlighting areas requiring modification.

Easy and simple to use, the software has a variety of outputs from simple graphs showing the size of hazard consequences to full emergency response plans including hazards, protection requirements and justifications.

**Key Benefits**

- Shell’s state-of-the-art consequence modelling suite
- Fast, reliable and exact predictions of hazard consequences from potential releases and fires
- Database of common hazardous substances so users do not have to manually enter material data
- Rapid “what-if” scenarios according to different weather conditions
- Range of data outputs showing the size of potential releases and fires

**Uses and applications**

- Assists the development of emergency response plans
- Cost-effective screening of plant design options, comparing concepts and assessing modifications
- Quickly reviews and sets separation distances between plant, equipment, workers and members of the public
- Rapid identification of the most serious potential consequences
- Specifies fire protection requirements
**Gexcon**
A world-leading company in the field of safety and risk management and advanced dispersion, explosion and fire modelling.

**Shell**
Shell is an international energy company that aims to meet the world’s growing need for more and cleaner energy solutions in ways that are economically, environmentally and socially responsible.

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