

Nuclear Risk Modelling for Plant Life Extension



Background

With many of the world's nuclear power plants operating close to, or over, their originally intended operating lifespan, there is a need to develop a comprehensive asset management scheme for these installations and the next generation of devices that will come to replace them.

Objective

To inform the decision making process to avoid an unacceptably high risk of loss of containment.

Methodology

Timed Petri Net models integrated with Bond Graphs

