

Simulation & Maps

With Powersim Studio 8 GIS you can run simulation models which utilize geographic information as a starting point. You may study over time how influencing factors affects the area. Simulation bring the maps alive and improve the assumptions and assist with better decision making.

The first three GIS modules offers the following qualities:

Rainfall module

The Rainfall model simulates water accumulation and can uncover possible landslide.



Rainfall model simulates how rain over time gives water accumulation in certain areas.

Our analysis can efficiently uncover larger areas on the look-out for risk areas sensitive to landslide. In this way, the need for further geological surveys can be directed towards the uncovered risk areas.

Simulation with the rainfall model will contribute to better planning and higher security with development of residential or industrial areas. The model may very well be used for already inhabited areas.

Gas module

The Gas model simulates how gas spreads in a geographical area.



The need to use the Gas model may occur in situations where a tanker crash, there is a leakage from a pipeline or unverifiable emission from an installation.

The model consider which gas we are dealing with, wind direction and wind speed. With the simulation, we can unveil the need to evacuate parts of or the whole population in the affected area.

This model can also be utilized within rescue drills or to uncover how a certain event developed in retrospect.

Sea Level module

Sea Level model simulates how an increase in sea level influence costal areas.



The Sea Level model simulates how an increase in sea level together with influence from wind as well as spring tide will show how the waves reaches the coast line. The character of the terrain will of course influence to which degree the waves will have a devastating effect on the land areas or not.

Our analysis can efficiently uncover problem areas in regards to where waves may give unwanted erosion, expose property or material structures and influence on farmland.