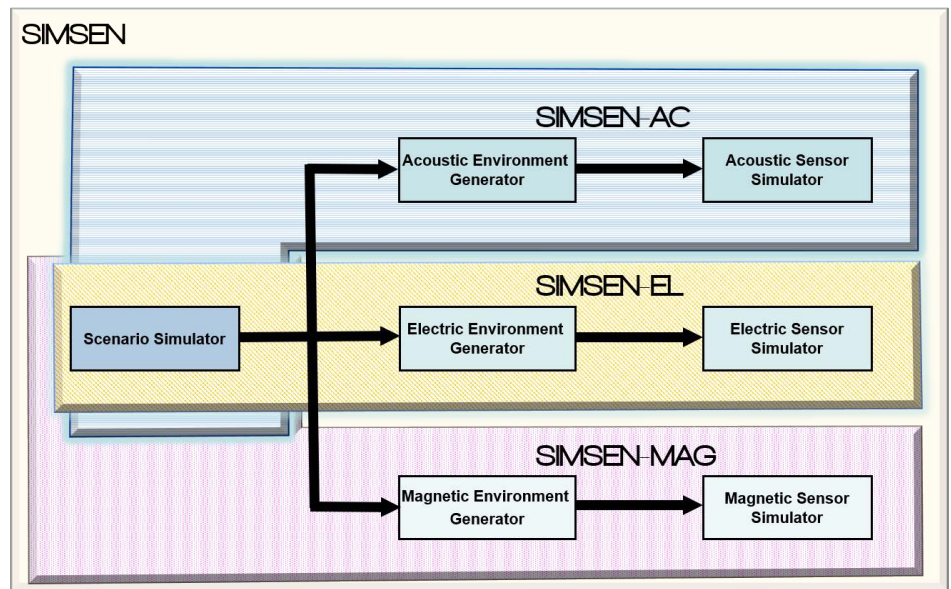




Several configurations depending on the type of simulated sensors:

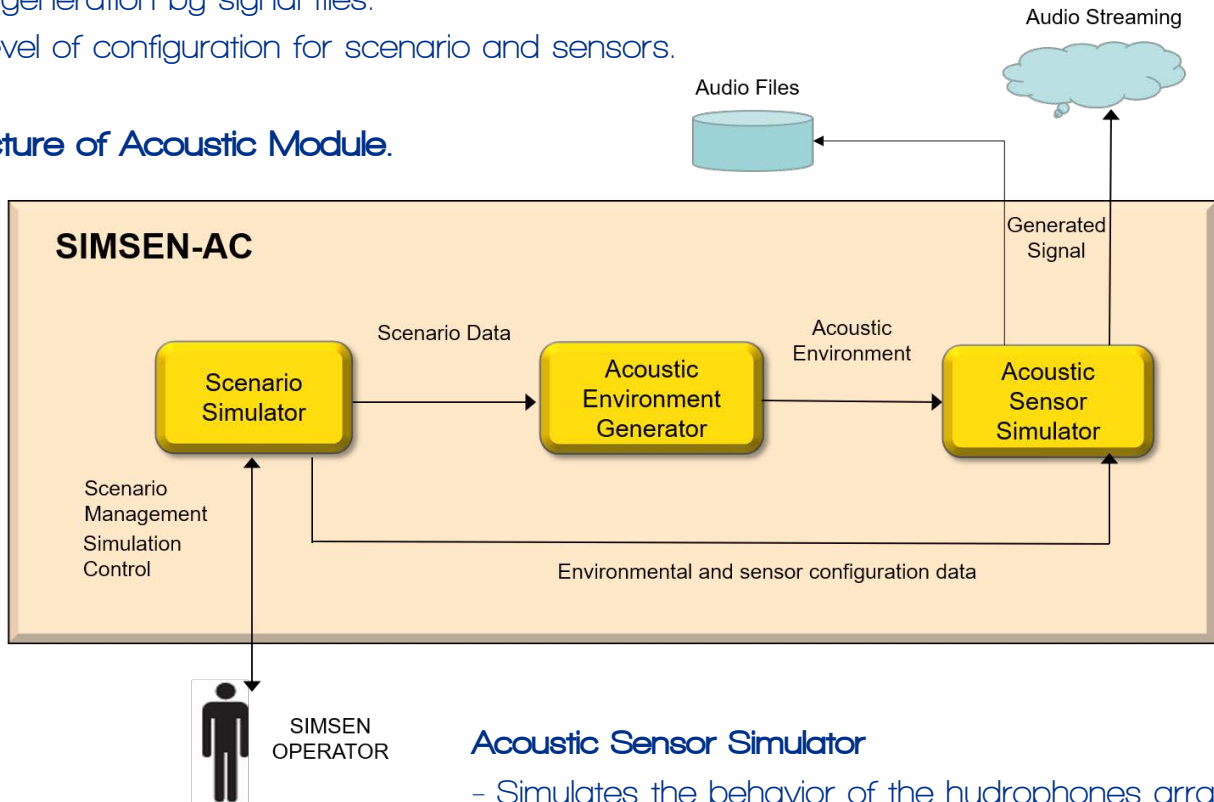
- acoustic
- magnetic
- electric



### Main Features

- HW COTS, scalable.
- Real time signal generation by signal streaming.
- Signal generation by signal files.
- High level of configuration for scenario and sensors.

### Architecture of Acoustic Module.



### Scenario Simulator

Control of simulation and definition of:

- Geographical Area.
- Entities: type, acoustic signature, behavior.
- Environmental and sea acoustic parameters.

### Acoustic Sensor Simulator

- Simulates the behavior of the hydrophones array defined by operator, generating acoustic signals coherent with geometry and location in the scenario.
- Acoustic sensors: array (lineal, cylindrical) or individual hydrophones.

### Acoustic Environment Generator

Simulates the signal propagation between emisors and receptors by using SAES Acoustic Propagation models with international validation.