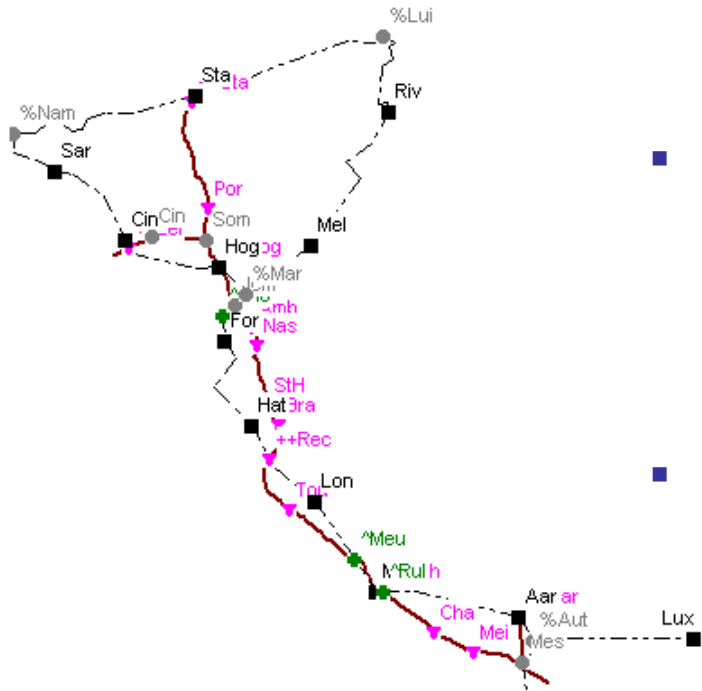


Achievement: Re-design of an existing CP system



- **Issue:** What will happen if the rectifiers connected to the rails have to be disconnected?
- **Solution:** Elsyca studied influence of interruption of track rectifier(s), replacement of anode by track rectifier, grounding resistance in sub-station, unbalanced power-stations
- **Results:**
 - System no longer fully protected when rectifiers connected to rails have to be removed
 - Location of new conventional anodes have been determined in order to upgrade the CP