



**My neighbour doesn't like nuclear:
relations between “nuclear” and “non
nuclear” countries**

EDF Fessenheim NPP



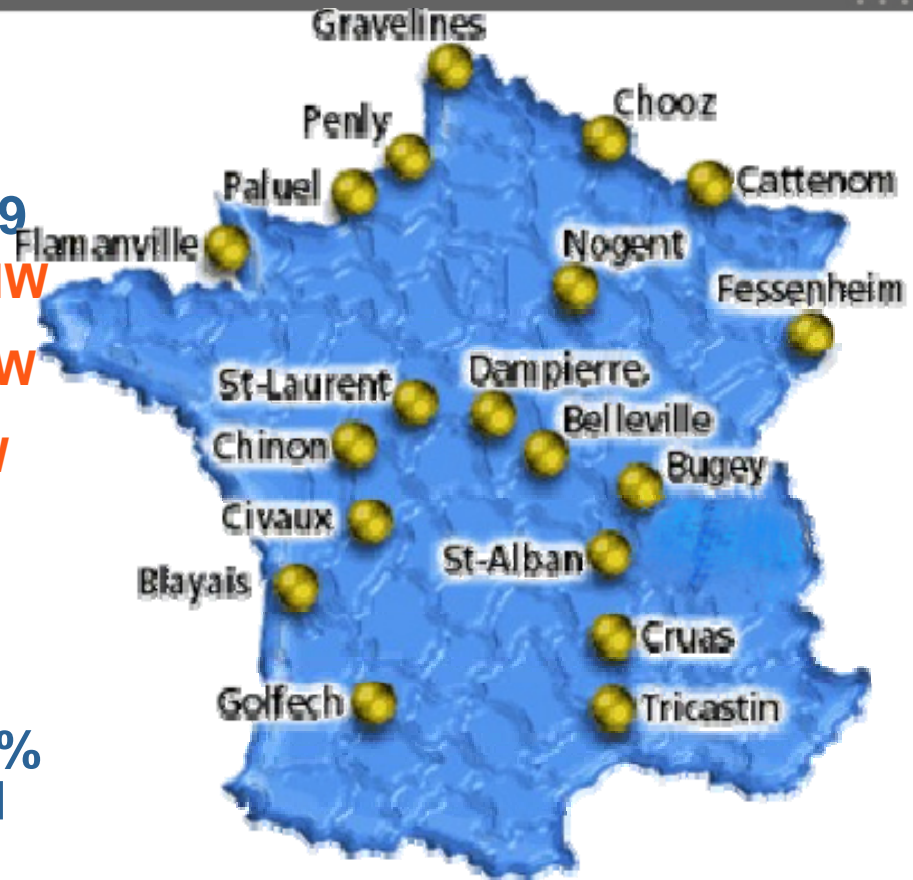
The French nuclear fleet

- ▶ 58 reactors spread across 19 sites
 - ▶ 34 PWR reactors, 900 MW
 - ▶ 20 PWR reactors, 1300 MW
 - ▶ 4 PWR reactors, 1450 MW

A total capacity of 63 000 MW

EDF generation : 88% nuclear, 8% hydroelectric and 4% fossil-fired

EDF nuclear power plant fleet young (19 year old on average) and competitive



Fessenheim, the first French 900-MW PWR plant

- ▶ Two 900-MW reactors commissioned in 1977

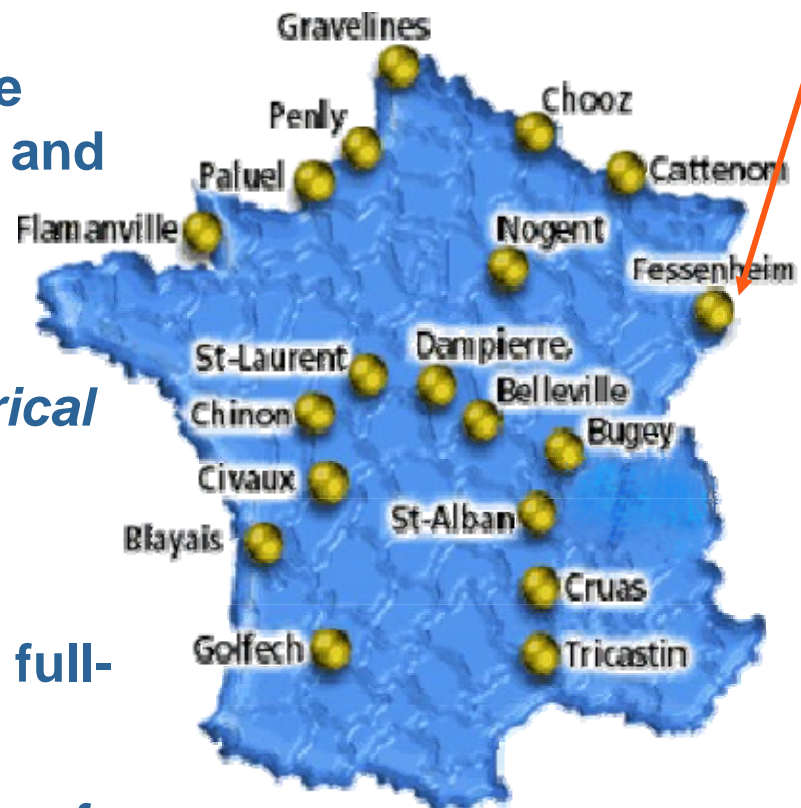
- ▶ The result of a joint effort with the German power utility (EnBW 17.5%) and Swiss power utility (CNP 15%)

- ▶ Approx. 11 TWh generated...

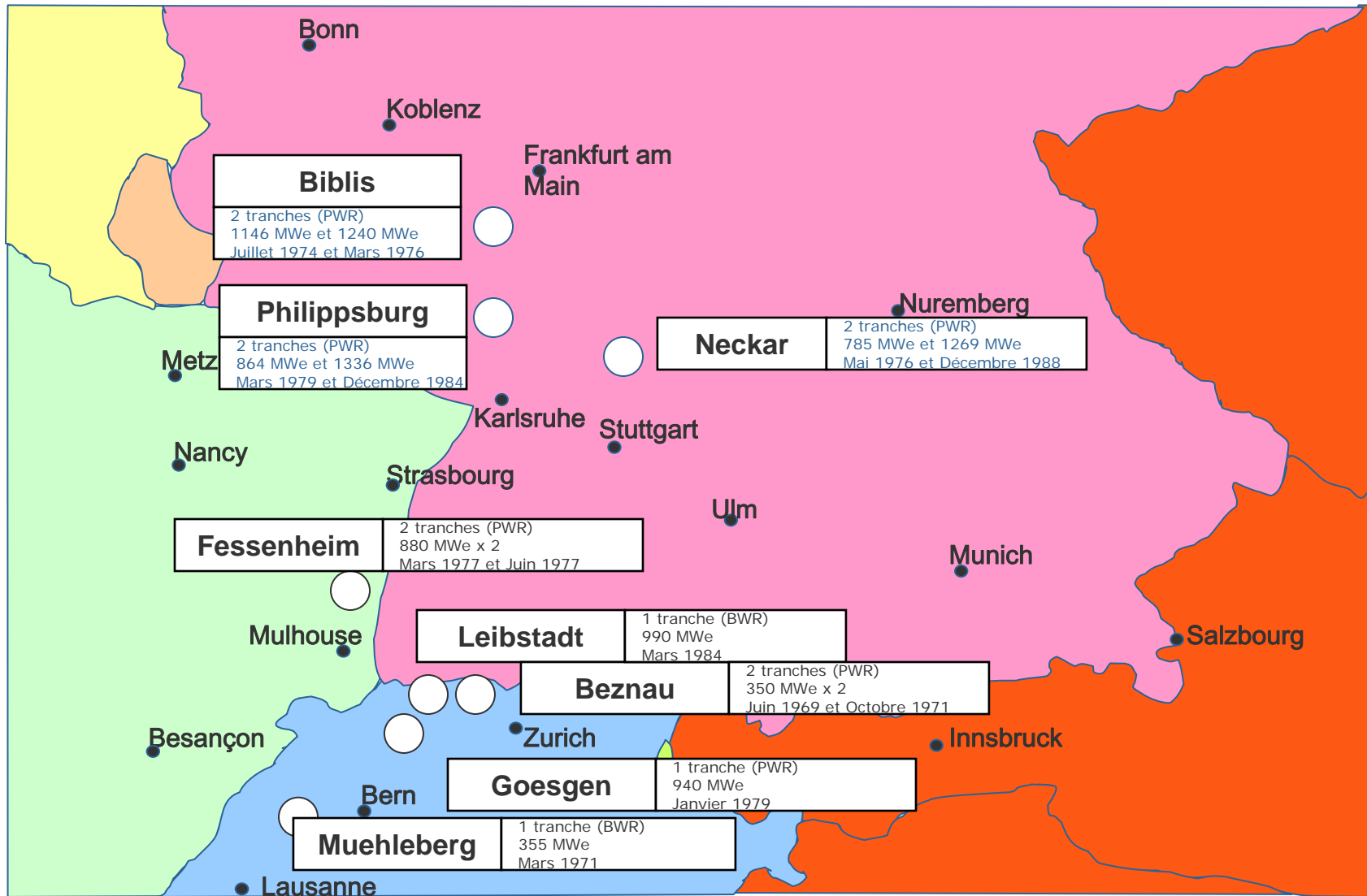
i.e. more than 80% of Alsatian electrical power consumption

- ▶ ... by 660 EDF employees and 150 full-time contractors

1500 sub-contractors provide back-up for major maintenance operations.

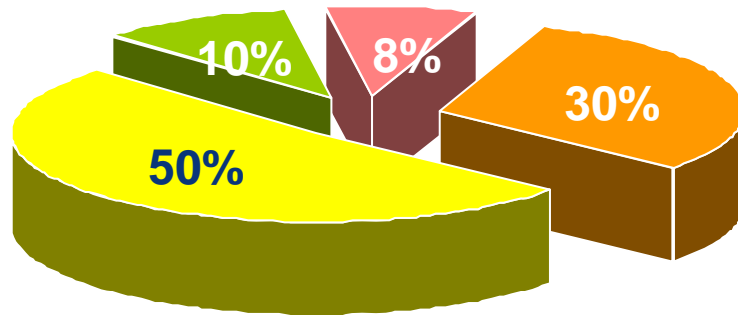


The nuclear powerplants in the area of the 3 countries

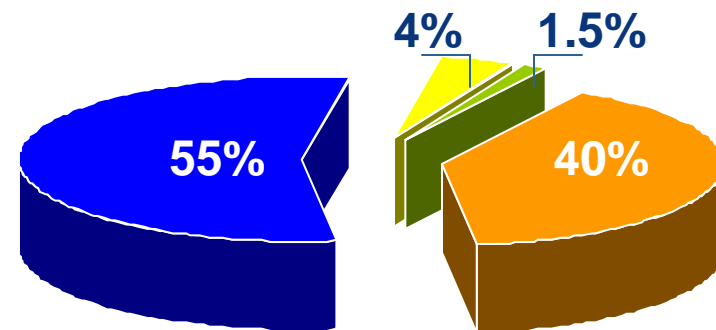


Different energy policies of the 3 countries in the Upper Rhine region

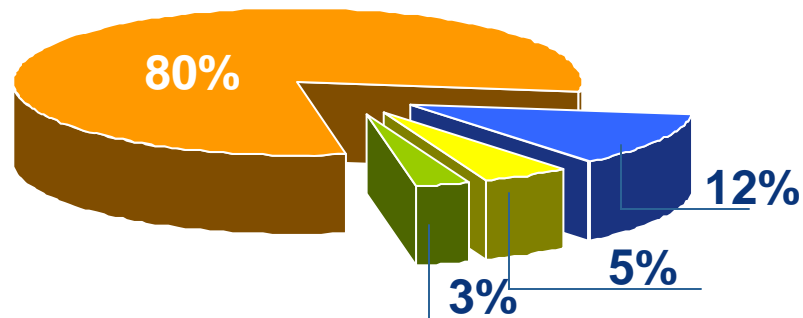
Energy mix in Germany



Energy mix in Switzerland



Energy mix in France



- ▶ Nuclear energy
- ▶ Hydroelectric energy
- ▶ Conventional fossil fuels
- ▶ Renewable fuels
- ▶ Natural gas

Strong historical opposition

- ▶ **Municipal council petitions calling for shutdown of the plant**
- ▶ **Trinational association for the protection of people residing in the vicinity of Fessenheim**
- ▶ **Regular public protests (held on Chernobyl anniversaries)**
- ▶ **Extensive media exposure**



Partnerships and exchanges

- ▶ **Information agreements signed with Germany and Switzerland**

- ▶ initial agreements
- ▶ developments

- ▶ **emergency drills involving German authorities**

- ▶ **meetings and reciprocal inspections between the French nuclear safety authority and German nuclear safety authority**



Active, close-range communication within the whole Upper Rhine region

▶ Regular exchanges with elected representatives

- ▶ two meetings held with German elected representatives for six-monthly and annual reviews.
- ▶ German elected representatives attend Local Monitoring Committee Meetings
- ▶ Tours of the nuclear power plant arranged for German elected representatives

▶ Close-range trilateral communication

- ▶ All communication media available in German
- ▶ German and Swiss journalists of the Upper Rhine region provided with the same information as local journalists

