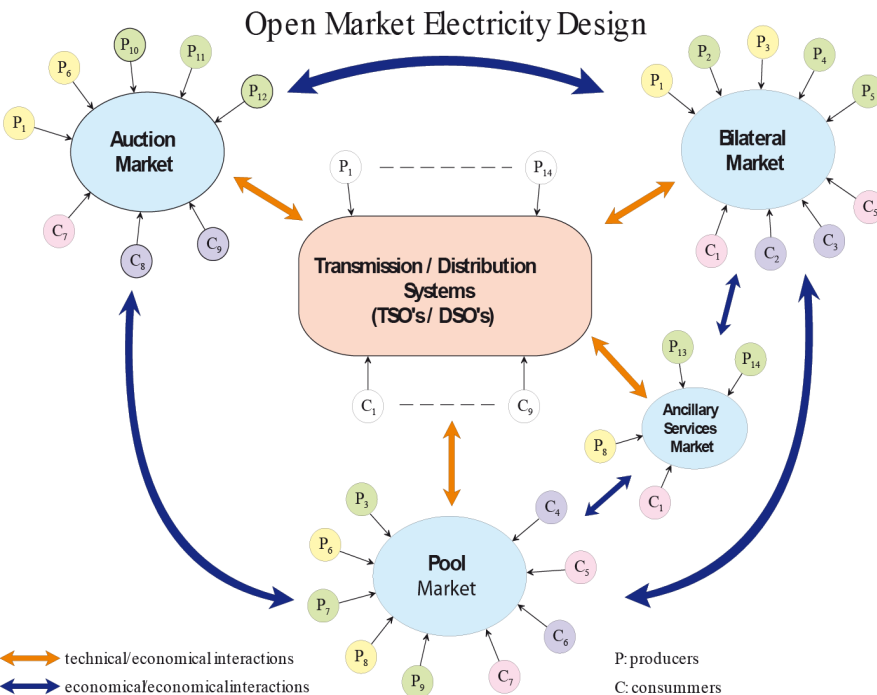


# Power system restructuring and deregulation

## \*\*\* Overview \*\*\*

## Key points:

- Electricity supply: *vertically integrated* to *unbundled* structure
- Electrical energy: a product managed by different independent *providers* (or *producers*)  
its delivery: a service managed by TSO/DSO
- The product is *traded* according to different *auctioning mechanisms* in appropriate market places (*Pool, Bilateral*)
- TSO/DSO takes care of the *physical feasibility* of the delivery (power system operation)



# Power system restructuring and deregulation

## \*\*\* Overview \*\*\*

### Key points:

- The delivery is subject to *ancillary services*: Frequency/voltage control, congestion management, reserve support, black start capabilities, etc.
- *Ancillary services* provided by market actors
- *Physical* network (Kirchhoff laws) interacting with *commercial* networks (auctioning laws)

