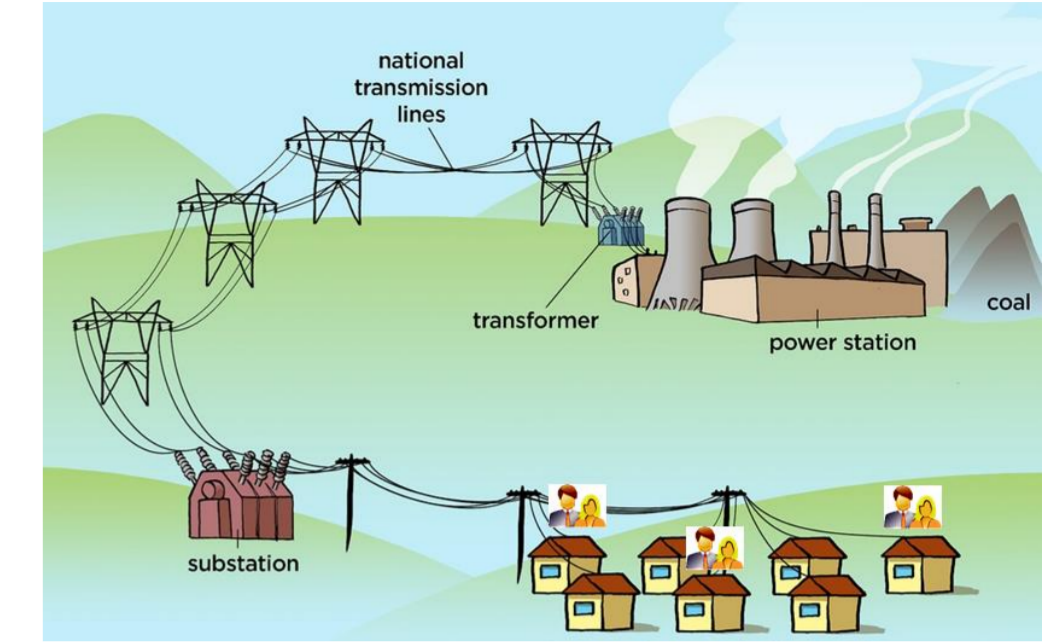




Bi-level energy management in smart grids



Objectives:

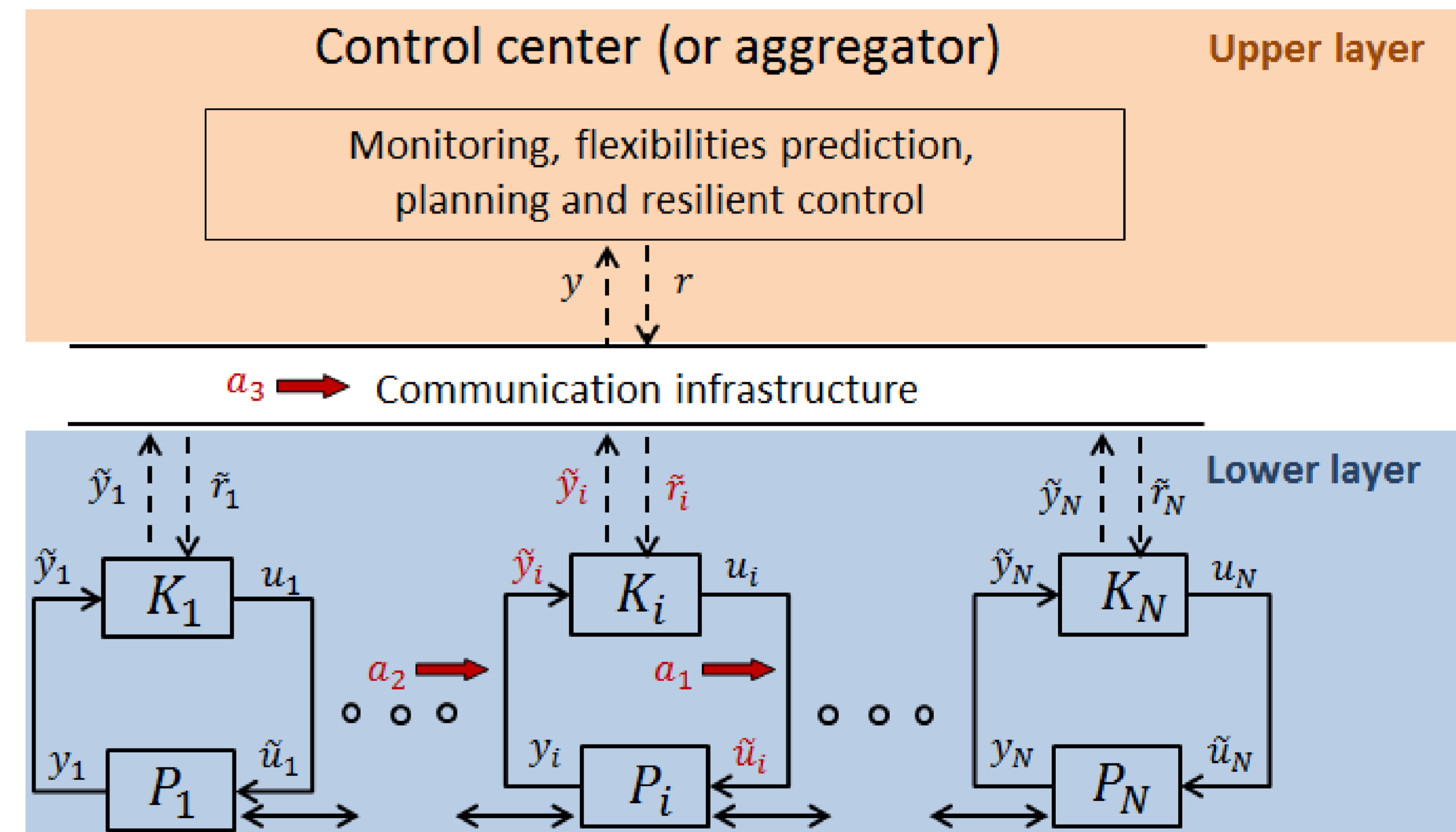
- 1) Detailed modeling, scheduling and control of flexible load at the lower layer
- 2) Prediction, planning and control of aggregated flexible load at the upper layer
- 3) Making the EMSs resilient against uncertainties and cyber attacks.



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