

5G ITALY

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Architettura e Servizi della Rete 5G

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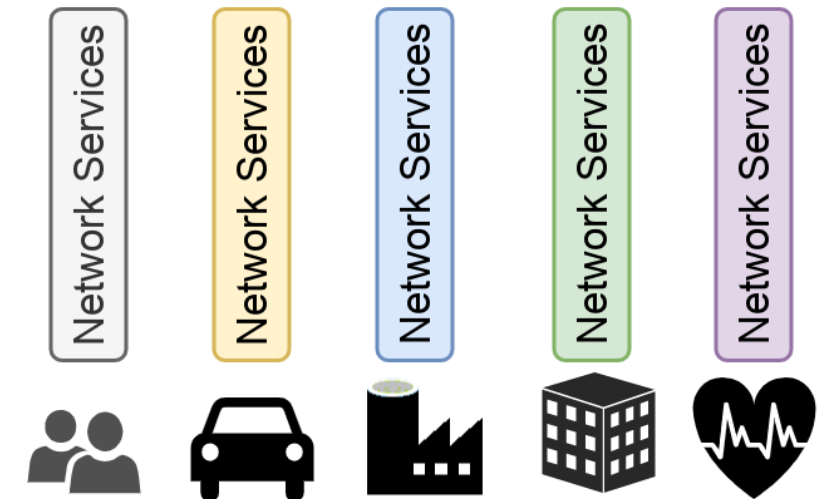
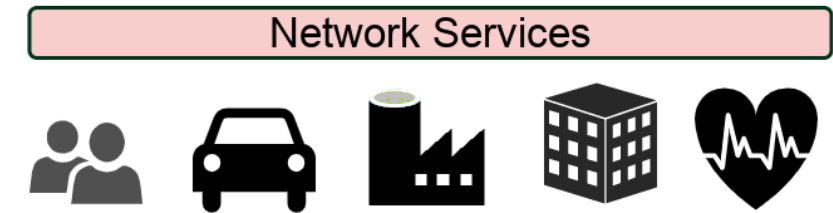
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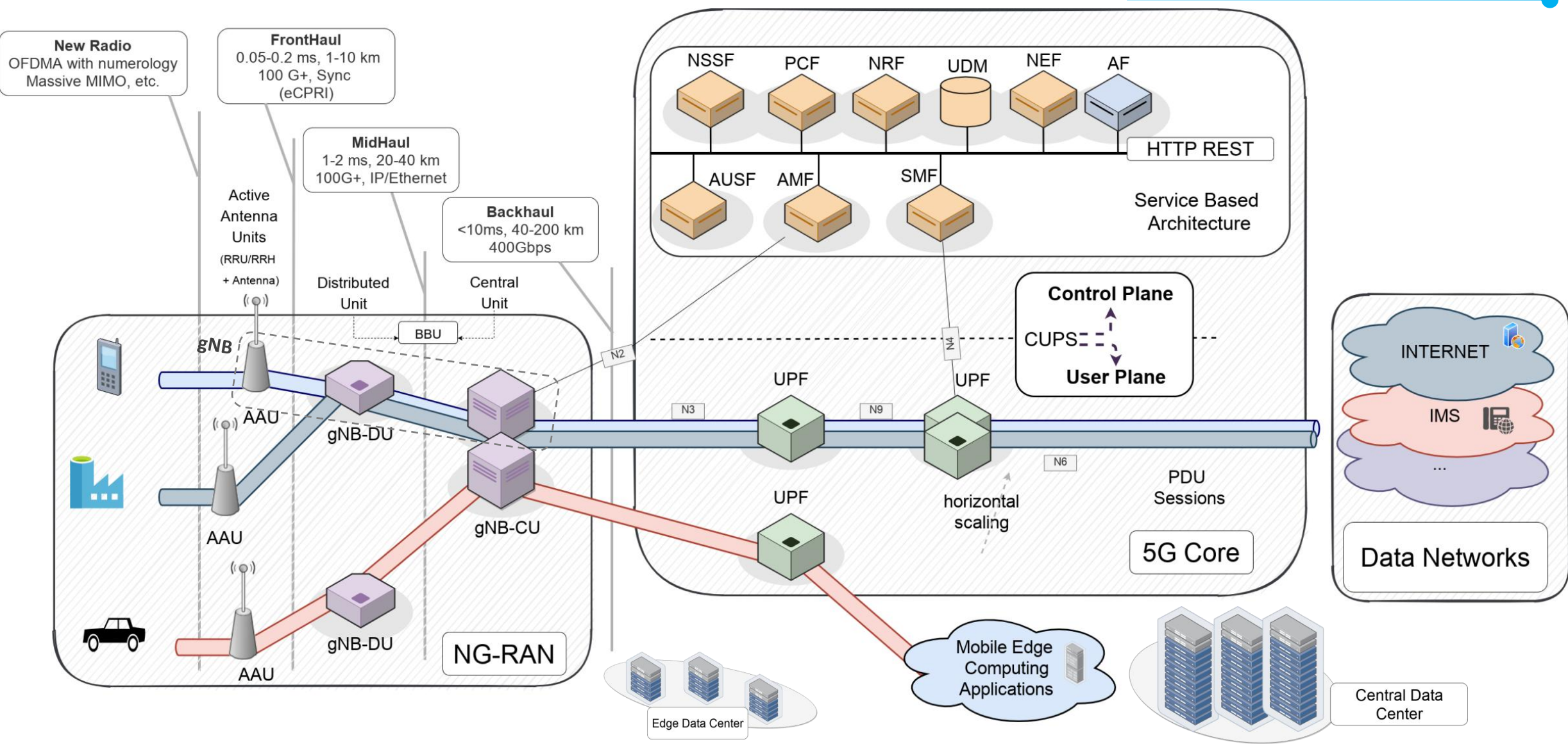


- 5G introduced a new paradigm in the design of mobile networks, and in the deployment and the delivery of new services
- From a horizontal service delivery model to a **vertical model**
 - All customers use the same services (horizontal)
 - Services tailored for customers/industries (vertical)
- Heterogeneous requirements demand **deployment flexibility** typical of software/cloud environments
- Cloud-native network design: Cloud+SDN+NFB

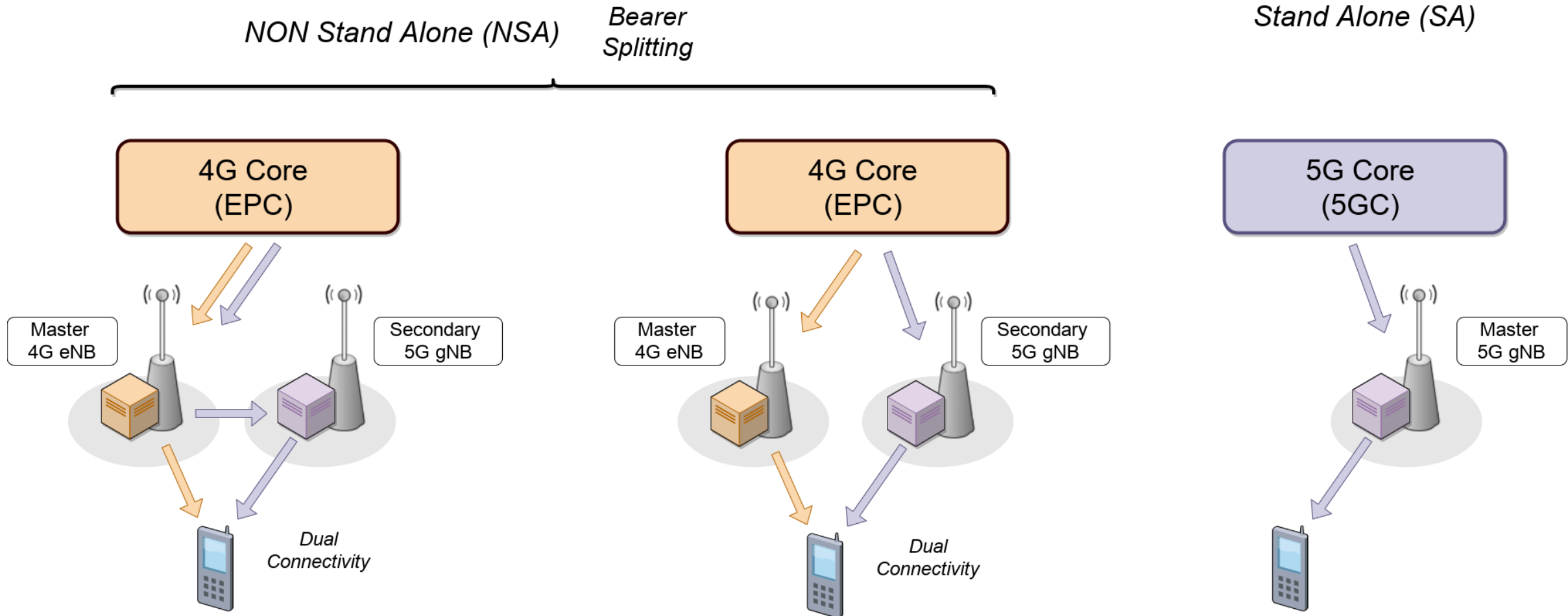
horizontal delivery model



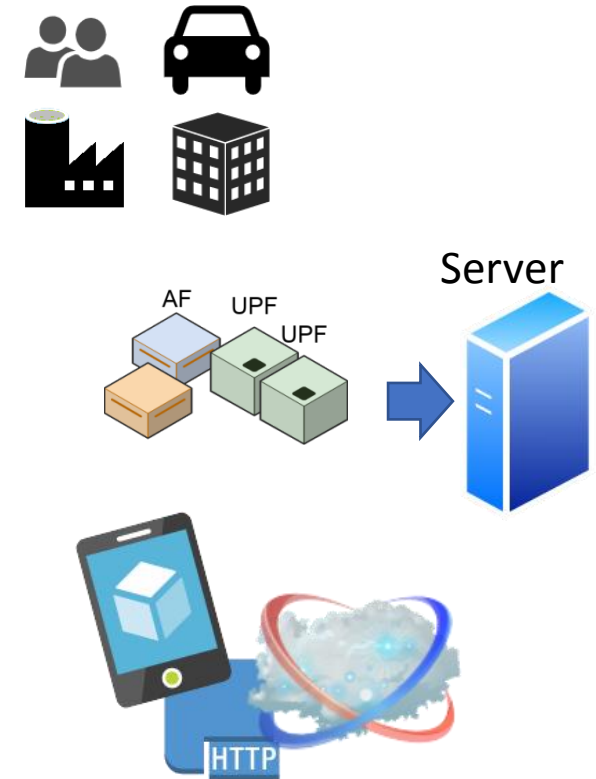
vertical delivery model



NSA accelerates the use of 5G New Radio by reusing the 4G Core



- The 5G Architecture provides:
- **High flexibility** to support expected and unexpected services for different verticals
- **Softwarization** of the network to reduce the cost of the infrastructure
- **Cutting-edge integration of cloud and web technologies** to simplify the evolution of the network towards a future in which it will be increasingly present in daily activities of humans and machines



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