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Smart Parking

New Approach:

- Generic applications on nodes and base stations (not custom-tailored for a specific application)
- New applications can be written without requiring any modifications to nodes or gateways
- Additional nodes can be added at application run-time w/o changes to the application
- Fully decentralized

Smart Parking

- Nodes
 - ► Transmit self-description to base station
 - ▶ I am node "23" offering service "car detection"
 - Base station publishes this on semantic web page
- Car park operator provides semantic web page
 - ▶ Node "23" is on parking "Space 1"
 - "Space 1" is located in car park "VERIA"
- Search engine crawls these web pages
- Display
 - ► Searches for "car detection" services in car park "VERIA-1"
 - Queries the resulting services and displays processed result



