

5G-FI PRIVATE NETWORKS with INTEGRATED 5G + WiFi ACCESS



RomARS launches the first 3GPP compatible solution to **integrate private WiFi** networks with additional **5G coverage**.



Logistics



Harbours | Airports



Industrial production



Hospitals

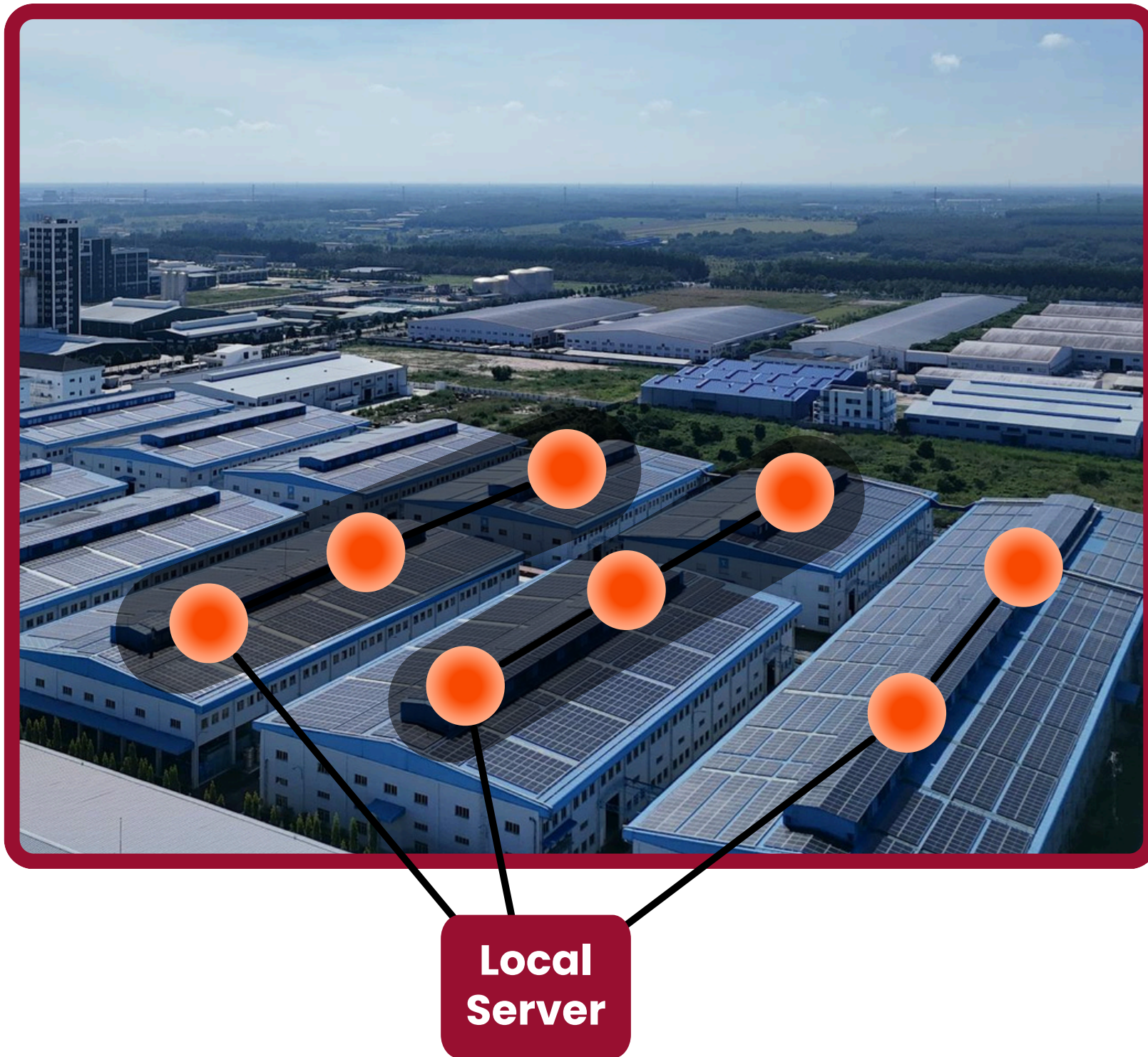


Agriculture



Museums

WiFi-only



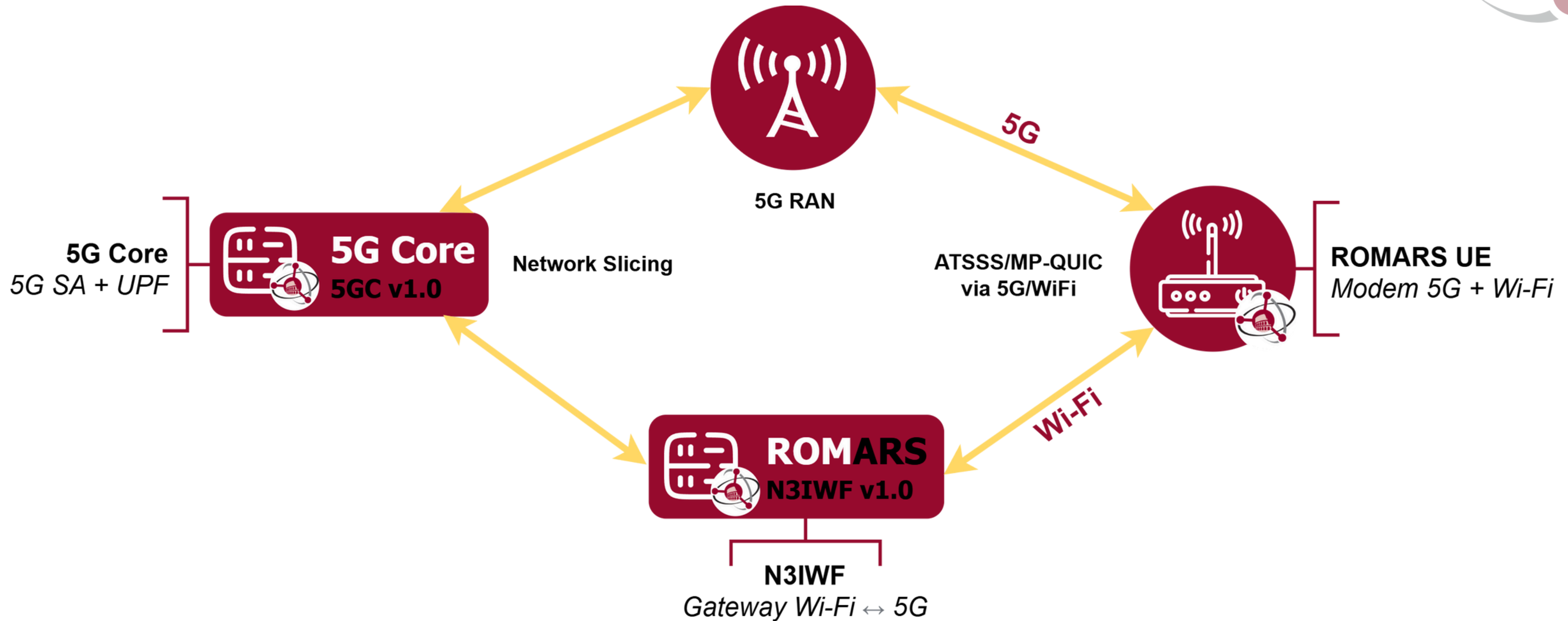
- Coverage with only WiFi.
- Possible non-covered areas and lack of signal continuity.

5G + WiFi

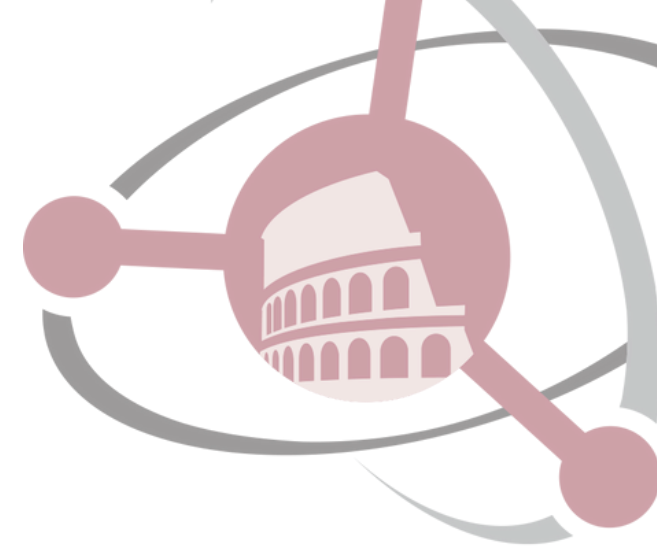


- 5G and WiFi hybrid coverage.
- Continuity and consistency of service.
- Full integration of WiFi coverage with 5G coverage.

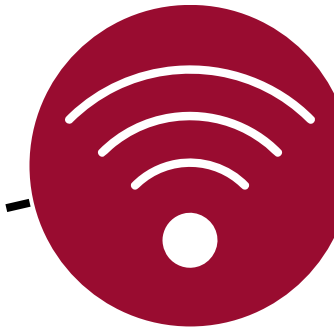
Our solution



Advantages



We design and build private networks for dedicated applications by integrating the WiFi network with 5G coverage, following the 3GPP Rel. 15 standard.



Uniform QoS over 5G and WiFi with slicing for different priorities.



Coverage extension, service continuity and performance are no longer an issue.



User terminals can move freely. The '5G-Fi' modem handles the handover between the two covers automatically.

Products



Gateway



N3IWF

- Developed by RomARS, it is compatible with the 3GPP Rel.15 standard.
- It allows you to connect your WiFi network to a Private 5G Core Network.
- Compatible with all commercially available 5G stand-alones.

User Terminal



UE

- Available in both Modem and Tablet Linux versions.
- It integrates a dual 5G radio and WiFi to connect to the private network.
- It handles QoS and automatic handover between the two networks in an integrated manner.



5G Core and 5G RAN

- The **RomARS** solution is compatible with the main 5G cores on the market.
- 5G Radio access is provided directly by the local operator and can be extended with new 5G and WiFi coverage.
- RomARS can also provide an optimised 5G Core for enterprise applications.



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