



5/9

CURRENT TRL
& TARGET TRL

130

MULTIMAGNITUDE
SENSORS

4

FARMS

6 MILION

€ SAVINGS
PER YEAR



COUNTRIES



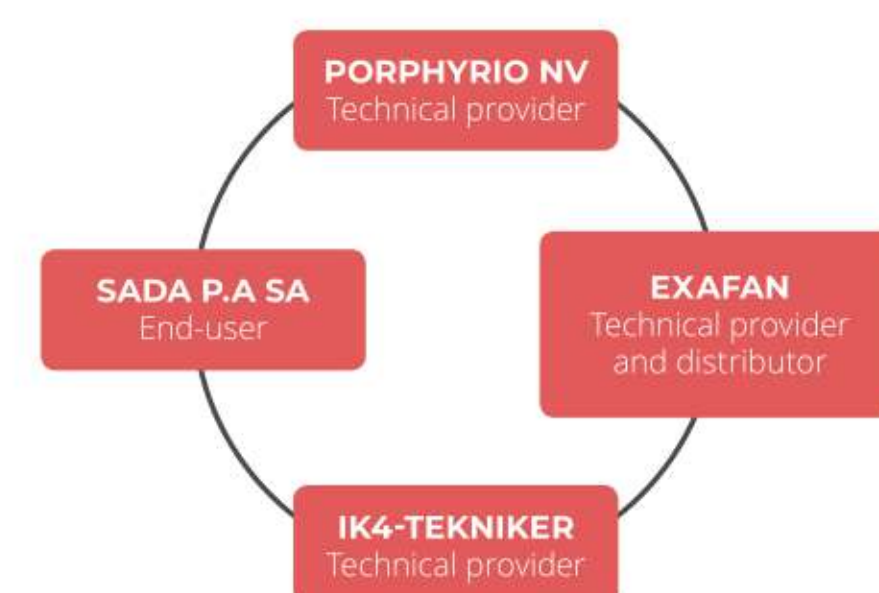
PARTNERS



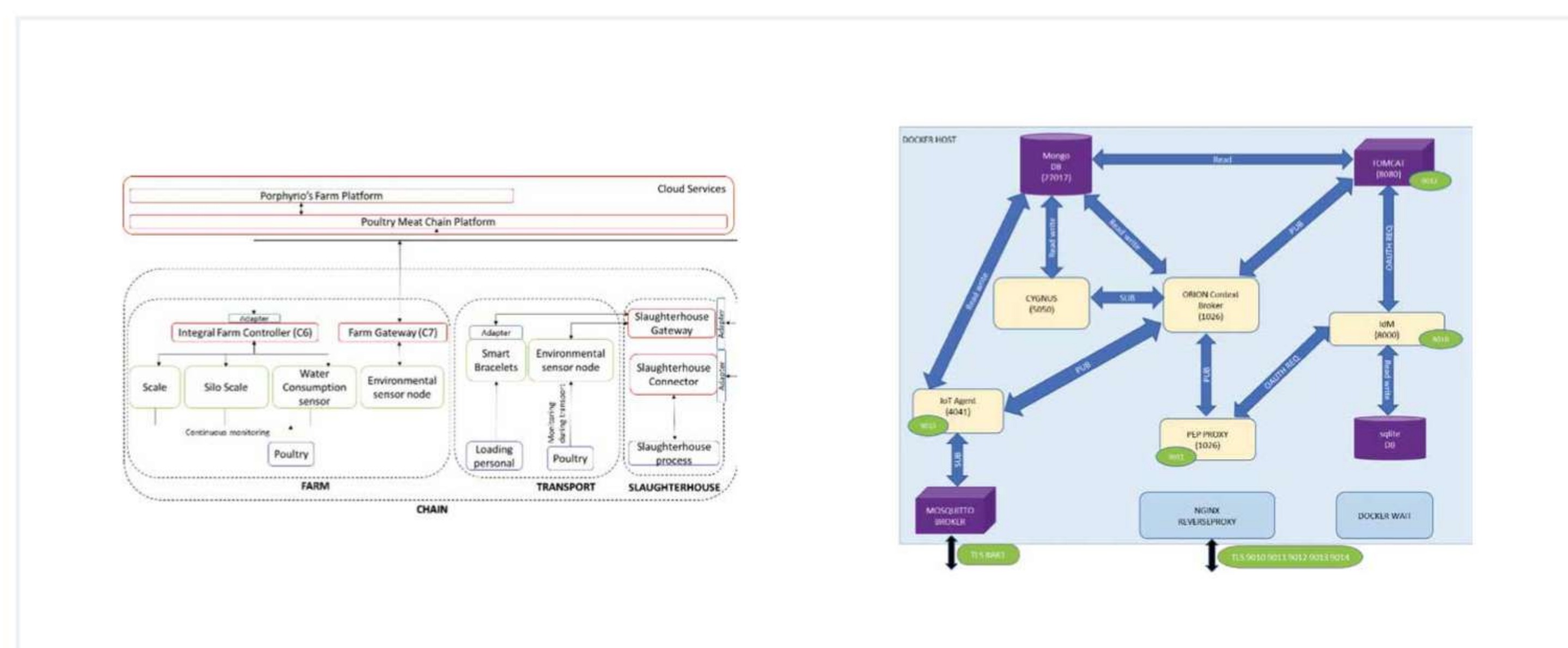
5.2 POULTRY CHAIN MANAGEMENT

Three critical points define the efficiency and product quality of the poultry meat, starting from the broiler farm to the processing plant. In each step, IoT technology brings value, and moreover, linkage between these steps adds a second level of value.

- Farm level: Monitor and optimize growing process to achieve a uniform and precisely measured slaughter weight,
- Logistics: Monitor and optimize broiler handling and transport to reduce impacts on the poultry and increase comfort levels,
- Processing plant: Optimize slaughtering and improve rendability and product-market fit, with information from all stages.



HOW IT WORKS



The data sources provide inputs for both Farm and Chain securized cloud-based Platforms (mainly in FIWARE components) leading to Early Warning System, Birds Manipulation Assistant, Environmental Assistant, Production Management DSS and Data Visualization to assist poultry meat production chain.

THE IMPACT

OUR OBJECTIVES

- 4 farms: 80 environmental and weight sensors,
- 5 environmental sensors for trucks,
- 5 smart watches: monitor bird manipulation on load and unload,
- Farm and Chain Platforms.

ON ECONOMY

- Flock's average weight and uniformity improvement: +10%,
- Death reduction in production and transport: - 10%,
- Class A birds increase: 20%,
- Savings per year: 6 M€.

OTHER IMPACT

- Decrease feed waste: 10%,
- Decrease antibiotics use: 15%,
- Improve animal welfare (improve physical conditions and decrease birds' death): 15% less treatments.