



Project „Flexible Assembly Processes for the Car of the Third Millennium (MyCar)“

Methodology Description (High Level)

Inventory visibility, product and operator tracking based on RFID technology



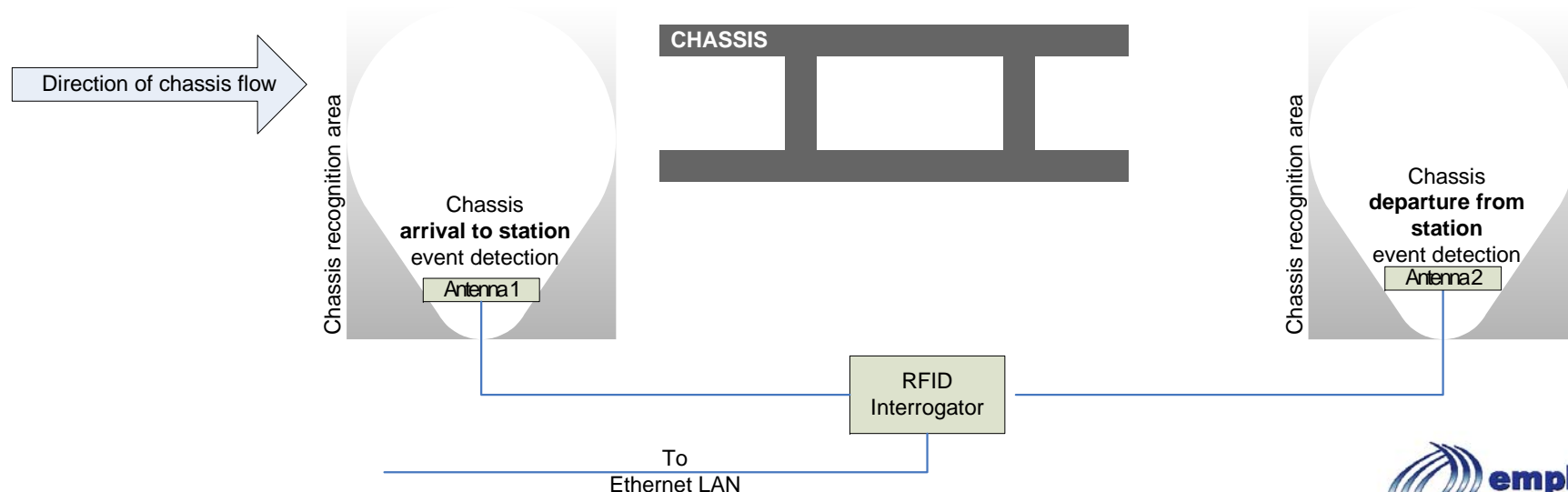
Inventory visibility, product and operator tracking based on RFID technology

The RFID subsystem provides automatic identification of chassis while entering and leaving the assembly station. All instructions received by the operators are specific to the identified chassis and parts to be assembled.

Schematic diagram for Chassis Arrival to assembly station and Chassis departure from the assembly station automatic identification

The RFID subsystem provides automatic identification of parts to be assembled on the chassis.

All instructions received by the operators are specific to the part picked by the operator.



Schematic diagram for part (air tank) picking RFID automatic identification

The RFID subsystem provides operator location during the assembly process. This information further fine tunes the received instruction.

Picking time
Air tank ID
Chassis ID

Specialised instructions to the operators decrease production running cost related to the operator assembly errors. Furthermore contribute to manufacture flexibility and increased quality.

