

Orbitz

Orbitz by InnoTractor is a modular IoT device concept.

Based on customer needs the Orbitz can be tailor-made quickly to suit the business case. A perfect solution which tailors better than off-the-shelf devices but cuts lead-time and cost compared to fully tailormade devices.

Key characteristics of the Orbitz solution:

- ✓ Versatile and multi-functional
- ✓ Long battery life
- ✓ Expandable sensor support
- ✓ Fast business integration
- ✓ Latest communication technology
- ✓ External I/O support
- ✓ Secure
- ✓ Worldwide coverage
- ✓ Remote device management
- ✓ No infrastructure required
- ✓ Small and flexible form factor
- ✓ Remote firmware update

Orbitz come in 3 concept formfactors: the choice is offered between Integrated, Board or Housed. With different level of integration the Orbitz can address the needs of a wide range of use cases.



Orbitz Integrated: InnoTractor provides the component specification to the customer to integrate them with the customer specific PCB solution. InnoTractor provides the firmware for the solution so the total system functions optimally with the highest level of integration and smallest footprint.



Orbitz Board: PCB solution without housing for integration in existing customer products or usage in environments which do not require housing for protection. Firmware included.



Orbitz Housed: Standard product offering. Orbitz Board solution with housing for protection against amongst others humidity and dust. Customer choice between standard housing as well as customer specific housing.



Orbitz specifications can be adjusted to the customer needs with the following options:

COMMUNICATION: from low cost 2G and Bluetooth only to NB2-IoT, CatM, 5G

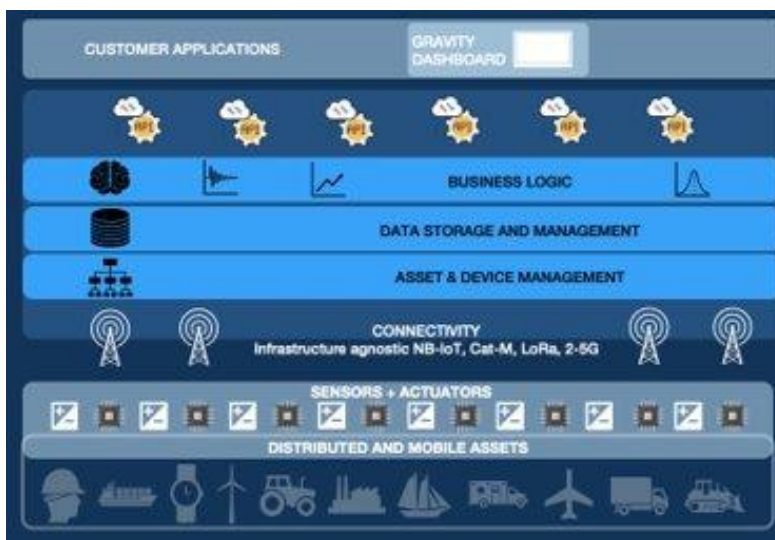
SENSORS: from temperature and shock to a wide range of additional sensors like NO_x, CO₂, lidar,...

EXTERNAL CONNECTORS: Orbitz are prepared for external digital and analog connections

POWER SUPPLY: direct power or a range of batteries are available

Orbitz

InnoTractor provide the mobile communication as a service.
 Orbitz communicate with the InnoTractor IoT platform Gravity.
 Gravity captures the Orbitz data and makes the data available to the customer on a dashboard, application or through API into the business support systems and applications of the customer.



Orbitz support many use cases.
 For inspiration see the following examples:

Location tracking of valuable assets	Temperature monitoring of medicine and medical samples	Shock detection of fragile assets and goods	Location tracking of parcels in transit	End user single button action (alarm, service request)
Usage monitoring of field assets for CAPEX reduction	Monitoring of live stock or pets movement	Remote monitoring of critical battery status	Monitoring of filling grade of deposit boxes	NOx monitoring for perishable fruit
Remote signalling control	Temperature and humidity monitoring of edible goods	Air quality monitoring (indoor / outdoor)	Smart grid hub / heater control	Charging station monitoring and control