

**NIBBLE®**

**R&D**

**ELECTRONICS**

**SECURITY**

**DOMOTICS**

**LED LIGHTING**

**PROTOTYPING**

**GSM / GPRS**

**M2M**

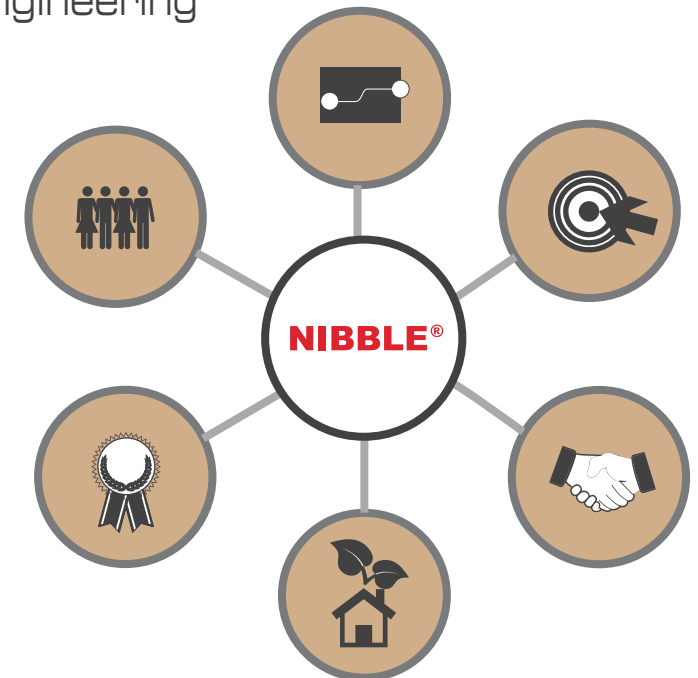
**GPS**

**INNOVATING SINCE 2004**

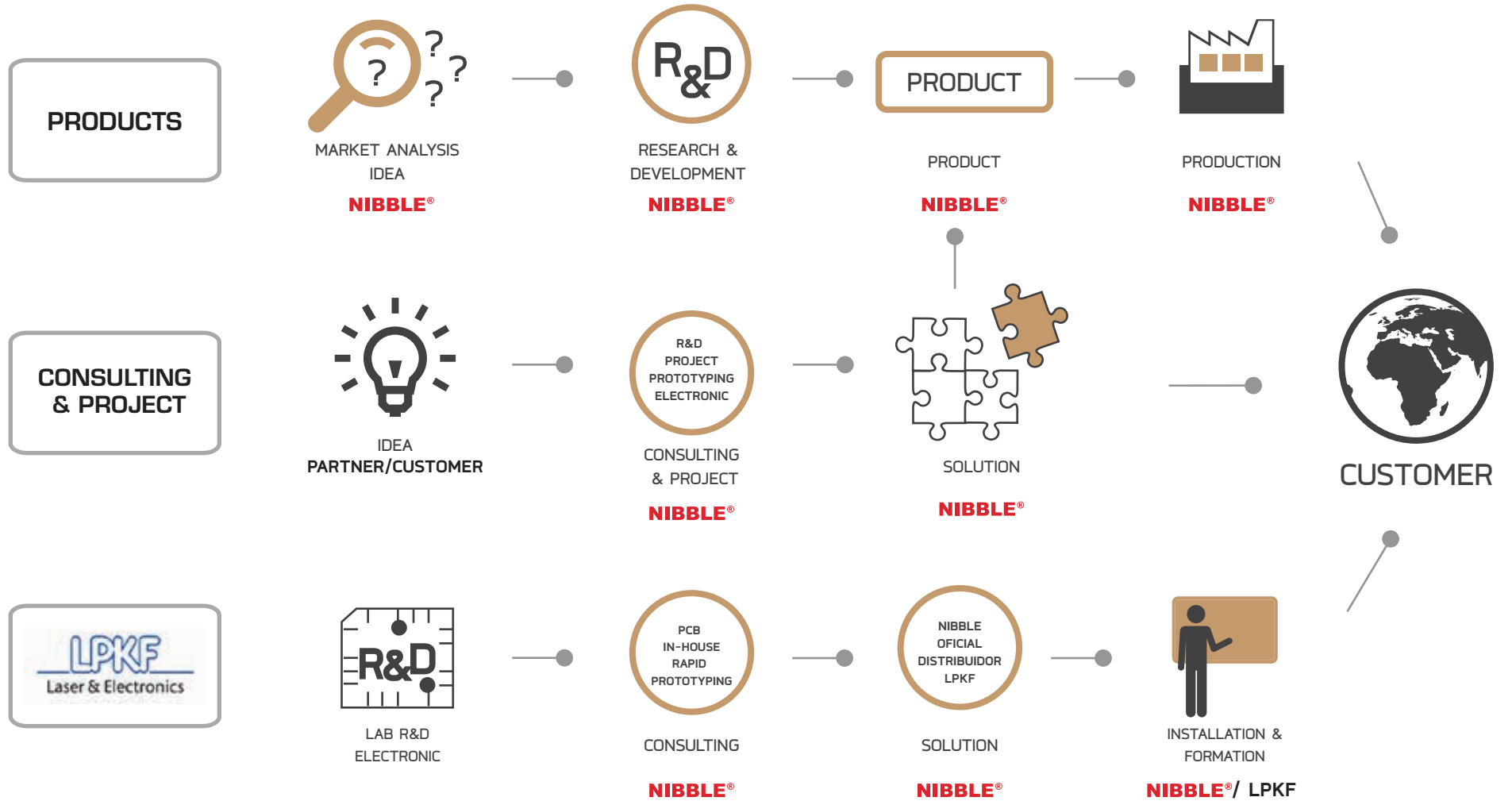
[www.nibble.pt](http://www.nibble.pt)

NIBBLE is a Portuguese manufacturing company founded in 2004.

- International Registration Mark
- Specialists in Project Management and Development of Electronic Engineering
- Research and Development internal team
- Product Management



# NIBBLE®



**NIBBLE®**

CONSULTING & PROJECT

CONSULTING & PROJECT

GPS

LED LIGHTING

PCB PROTOTYPING

PRODUCTS

FIRE

SECURITY

GPS

**NIBBLE®**

# CONSULTING & PROJECT

**Areas of  
application:**



Topography



Maritime navigation



Domotics



Location



Sports activities

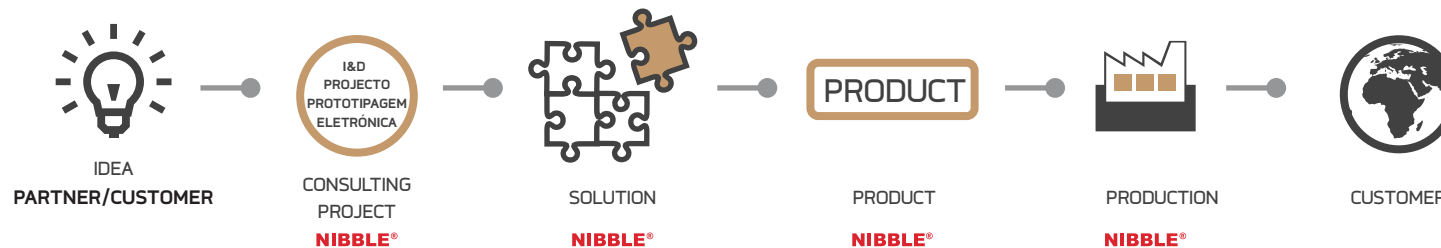


Remote locations

## Electronics Engineering Projects and Digital Systems

NIBBLE develops the entire process of management and project design:

1. Planning, detailed specification and goals definition
2. Conception, evaluation, and selection of concepts
3. Project and development
4. Prototyping, testing and validation
5. Results and documentation





Medical equipment

R&D



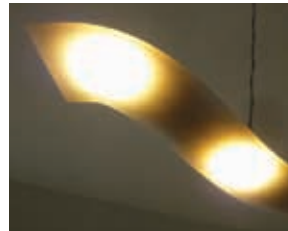
Weather station buoy with GPS and RF

GPS & GSM



Interactive Whiteboards

INFOTAINMENT



Lamp Highway

LED LIGHTING



TeleAlarm Paging System

TELECOM



ISEAT

INFOTAINMENT  
LED LIGHTING



Lamp 'Abraço'

LED LIGHTING



Portable power and lighting systems

INTEGRATED  
SYSTEMS



Block Optical LED

LED LIGHTING



LED lighting to Aquarium

LED LIGHTING



Drifting buoys

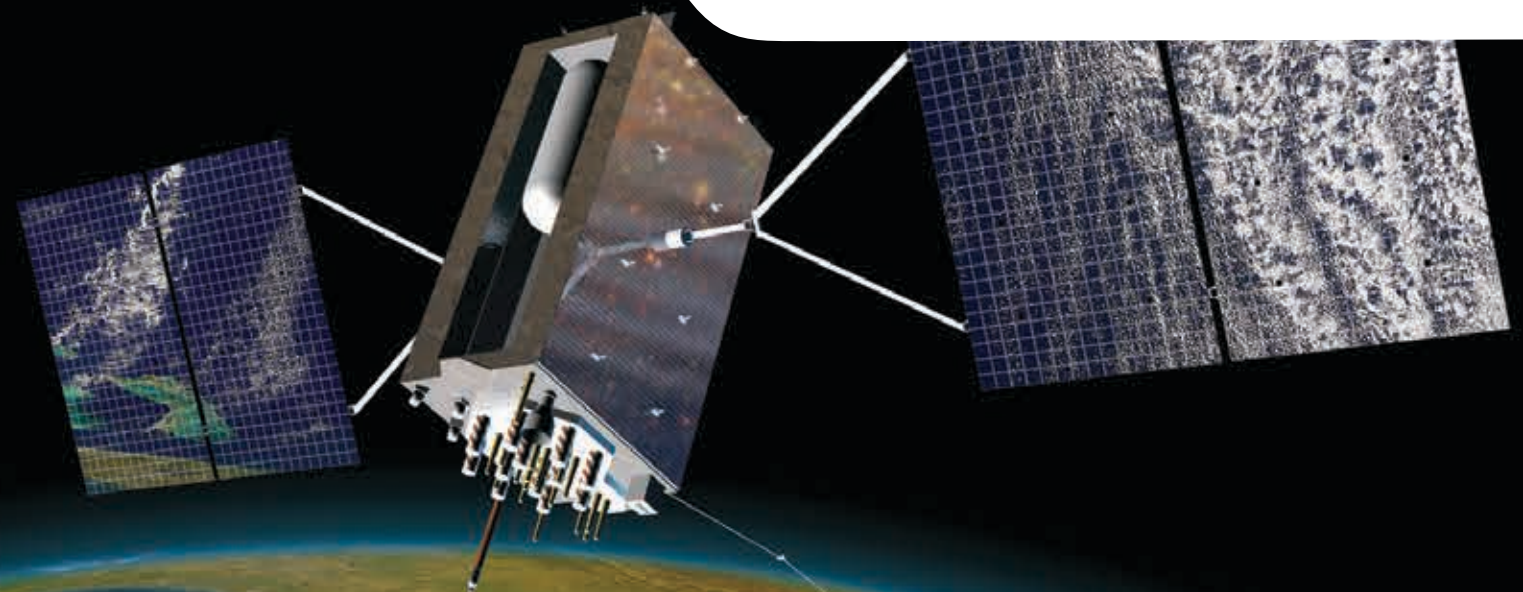
GPS & GSM



GPS to waste collection fleet

GPS

## GPS



### Areas of application:



Topography



Maritime navigation



Aviation



Location



Sports activities



Natural resources



# GPS LOCATION



**GPS Locator  
UMI2-GPS**  
**NEW**



**Surveying with images  
synchronized and  
georeferenced by GPS**



**Drifting buoys  
GPS / GSM**



**GPS Adventure (Blokarts)**



**GPS Bird  
Tracker**



**Customized Projects**

# NIBBLE®

# LED



## Areas of application:



Residential buildings



Commerce



Urban roads



Business buildings



Hotel



Pedestrian areas



Parks



Squares



Restoration

# LED LIGHTING



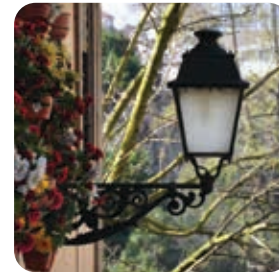
**Public**



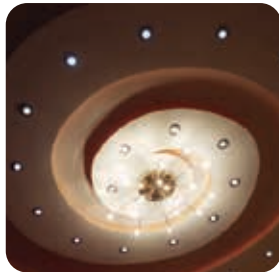
**Architectural**



**Industrial**



**Retrofit LED**



**Decoration**



**Customized Projects**

# PCB PROTOTYPING



Areas of  
application:

R&D  
Research &  
Development



PCB



LED Lighting

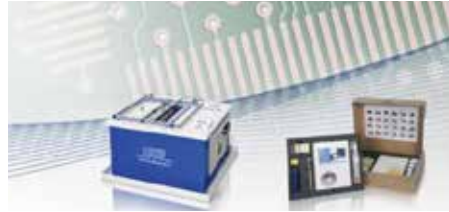


RoHS

# PCB PROTOTYPING



1- Circuit Board Plotter



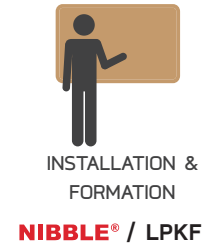
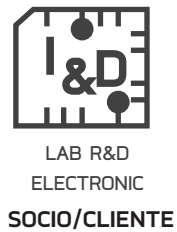
2- Through-Hole Plating and solder resist masks



3 – SMD Assembly



4 – multilayer prototype



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CONSULTING & PROJECT

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GPS

LED LIGHTING

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PRODUCTS

FIRE

SECURITY

GPS

# NIBBLE®

# FIRE



Areas of application:



Museum



Restoration



Industry



Hotel



Home



Commerce



Hospitals



School



Church

# FIRE ALARM SYSTEM



**Fire Alarm Panel**



**Callpoint**



**Fire Alarm Siren**



# NIBBLE®

# SECURITY



Areas of application:



Alarm Center



Elevator



Energy management



Domotics



Gates



Remote locations

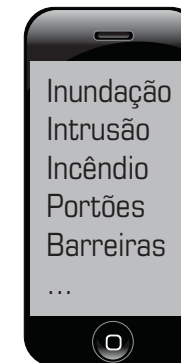
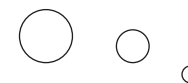
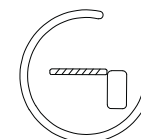
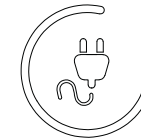
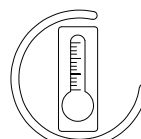
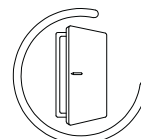
# COMMUNICATORS GSM / IP



**IC-50**  
**NEW**



**IC-40**  
**NEW**



**GC-30**



**GC-25**



**GC-22**



**GC-18**

# OUTDOOR ALARM SIREN



**Front ARC Horizontal**



**Front DOT Horizontal**

Standards Colors:



Red Red ARC



White Blue DOT



White Red DOT

Other combinations on request:



Green Yellow ARC



Light blue Ocean blue ARC



Black Red ARC

And many other possibilities.

## GPS LOCATOR



### Areas of application:



Topography



Maritime navigation



Aviation



Localization



Sports activities



Natural resources

# UMI2-GPS

Technical details



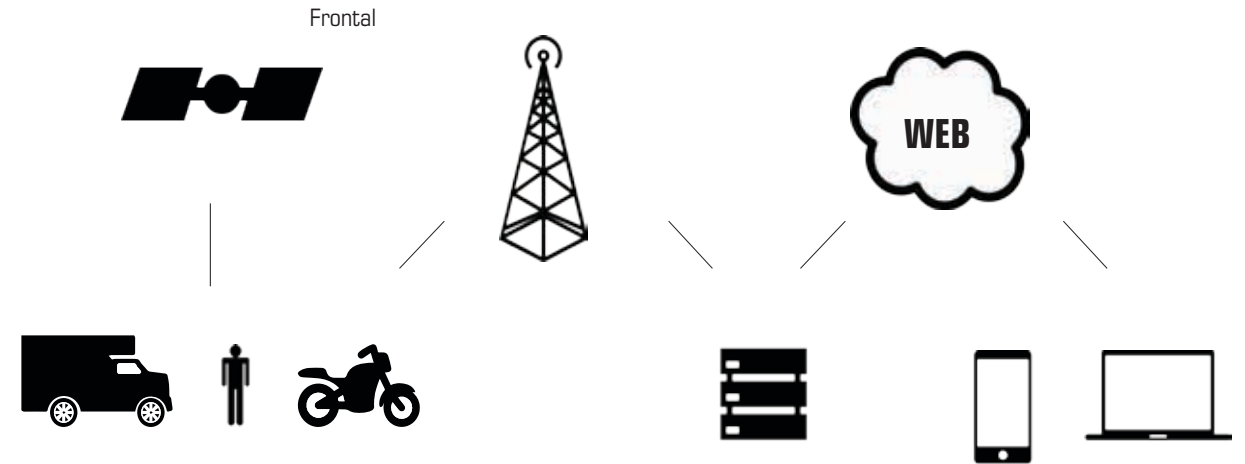
Front



Perspective



Connectors



on move  GPS Tracking Platform

# NIBBLE®

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UNIÃO EUROPEIA

Fundo Europeu de  
Desenvolvimento Regional

