Your application, our mobility
Do you need mobility to enable your application?
Since 2001, BlueBotics provides engineering services and custom solutions to support your product development and enable your application.

**From idea to product**

BlueBotics supports the development of new products from the feasibility study to the prototyping in a timely and cost-effective manner. Once the prototype is validated, BlueBotics can provide additional support with product design, production and deployment.

**Experts in navigation**

Building robots is one thing, controlling them is another. At BlueBotics, we have developed the innovative ANT® solution, a proven navigation product line enabling the localization and control of any platform.

**15+ years of experience**

Combining electronics, mechanics and software within mobile robots has been our day-to-day activity for more than 15 years. From concept to mass production, we put our expertise at your service.

**Swiss Made**

Our robots are not only engineered in Switzerland, they are also built there. Together with our network of suppliers, we deliver solutions with the Swiss Made quality label, which guarantees that your application will perform perfectly both now and in the future.
Engineering Services
From idea to product

Enable mobility of vehicles for automation
Build solutions tailored to your needs
Feasibility studies
Prototyping
Support for industrialization and deployment
Time and cost effective
**mini™**
Compact vehicle ready for cleanroom applications

- Modular concept to answer your specific needs
- Very compact design
- Natural feature navigation with ANT®
- Simple and robust localization
- Autonomous handling of obstacles
- Fast, low cost and scalable installation
- Automatic and opportunity charging
- ISO5 cleanroom certified

**mini™ lite**
Compact vehicle for your application

- Modular concept to answer your specific needs
- Very compact design
- Natural feature navigation with ANT®
- Simple and robust localization
- Autonomous handling of obstacles
- Fast, low cost and scalable installation
- Optional automatic and opportunity charging
## Specifications

<table>
<thead>
<tr>
<th></th>
<th>mini™</th>
<th>mini™ lite</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions (LxWxH)</td>
<td>59 cm x 40 cm x 30 cm</td>
<td>68 cm x 46 cm x 39 cm</td>
</tr>
<tr>
<td>Weight platform</td>
<td>70 kg</td>
<td>100 kg</td>
</tr>
<tr>
<td>Weight module</td>
<td>15 - 25 kg</td>
<td>15 - 25 kg</td>
</tr>
<tr>
<td>Payload</td>
<td>150 kg</td>
<td>100 kg</td>
</tr>
<tr>
<td>Max speed</td>
<td>1.5 m/s</td>
<td>1.5 m/s</td>
</tr>
<tr>
<td>Autonomy</td>
<td>&gt; 6 hours</td>
<td>&gt; 6 hours</td>
</tr>
<tr>
<td>Charging time</td>
<td>1.2 hours</td>
<td>1.2 hours</td>
</tr>
<tr>
<td>Automatic charge</td>
<td>Included</td>
<td>Optionnal</td>
</tr>
<tr>
<td>ISO5</td>
<td>Certification on demand</td>
<td>-</td>
</tr>
<tr>
<td>Safety</td>
<td>360° laser scanner view</td>
<td>270° laser scanner view (360° with optional 2nd laser scanner)</td>
</tr>
</tbody>
</table>
Success stories

SITA - Kate, 2017

Objective
Design and produce three prototypes of autonomous checkin’ kiosk.

Solution
BlueBotics firstly worked with SITA to clearly define the use case, then teamed up with designers to define the aesthetics and ergonomics before developing and producing the 3 Kate prototypes in an extremely short time.

CLEANFIX - RA 660 Navi, 2014

Objective
Create an autonomous professional cleaning machine for airports, hospitals, hotels, and shopping centers.

Solution
BlueBotics redesigned the navigation system, developed a coverage algorithm, and automated the cleaning components together with Cleanfix to obtain a fully integrated solution.
OPPENT - EVOcart™, 2014

Objective
Design a new hospital vehicle with a complete software suite to easily integrate into the hospital’s infrastructure.

Solution
BlueBotics supported Oppent in the design of the vehicle, developed a complete traffic management solution and teamed up with a strategic partner for flow and infrastructure control.

GENEVA AIRPORT - RobbiI, 2013

Objective
Provide innovative and user-friendly services for the passengers at the Geneva airport.

Solution
BlueBotics worked with Geneva Airport’s IT department, with their marketing department, as well as with external designers and interaction designers to develop and produce the complete solution.