

BEEGLE
expose the elements

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The Beegle

Simple, alert and accurate

At a single glance in control

Standstill of a machine is something you want to avoid. The costs and collateral damage can be significant. That's why you invest in preventive maintenance and replacement of parts. But the costs go up, and you do not have genuine scrutiny. You build a safety margin so that you know at least that the machine will not stop. But does a part need replacing? Can it last any longer? What precedes the downtime of a machine? Understanding the behaviour of a component is necessary for real control.

The Beegle is the solution to this challenge. Why? The Beegle monitors 24/7 and gives you insight into the performance of selected parts. Maintenance, deployment of personnel and replacement of parts are things you can check and manage effectively.



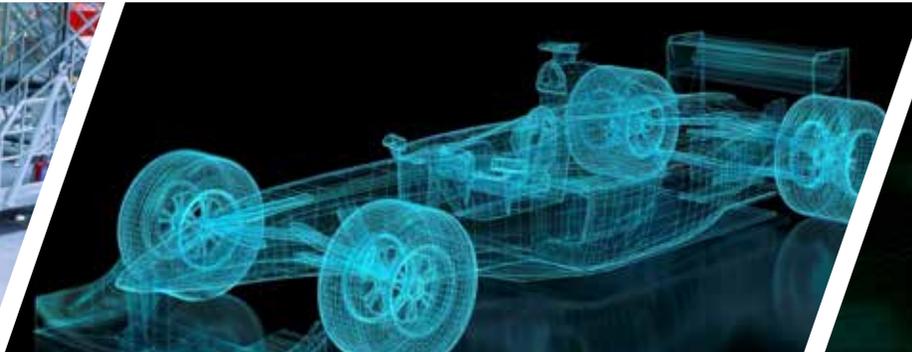
The Beegle is a simple and universally applicable monitoring system for parts in machines. The Beegle gives you 24/7 insight into abnormalities and conspicuous behaviour of parts. When there is a deviation from the set intervention levels, you get instantly notified by email and/or SMS. You can thus quickly intervene. The Beegle can therefore prevent downtime and unnecessary preventive part replacement.



Reliable

The Beegle is the result of years of development. The product has continuously been perfected since 2008. In addition, we gained a lot of experience with our customers using the Beegle.

The development of the software has its origins in Formula 1 but is now also used in the challenging sector of aviation. This makes the Beegle a high quality and immediately applicable solution without startup problems.



My Beegle

The Beegle converts the measured values 24/7 digitally and wirelessly to My Beegle. The online dashboard is always accessible from your browser, smartphone or tablet via my.beegle.nl.

There is a graph for each selected component. In it you see the performance of components including the intervention value that is established. You get an insight into the behaviour of a component. You will also see if an overrun of the intervention value took place. You can trace any trends through the list of past alerts.

Via a coloured button you can see if attention is needed.

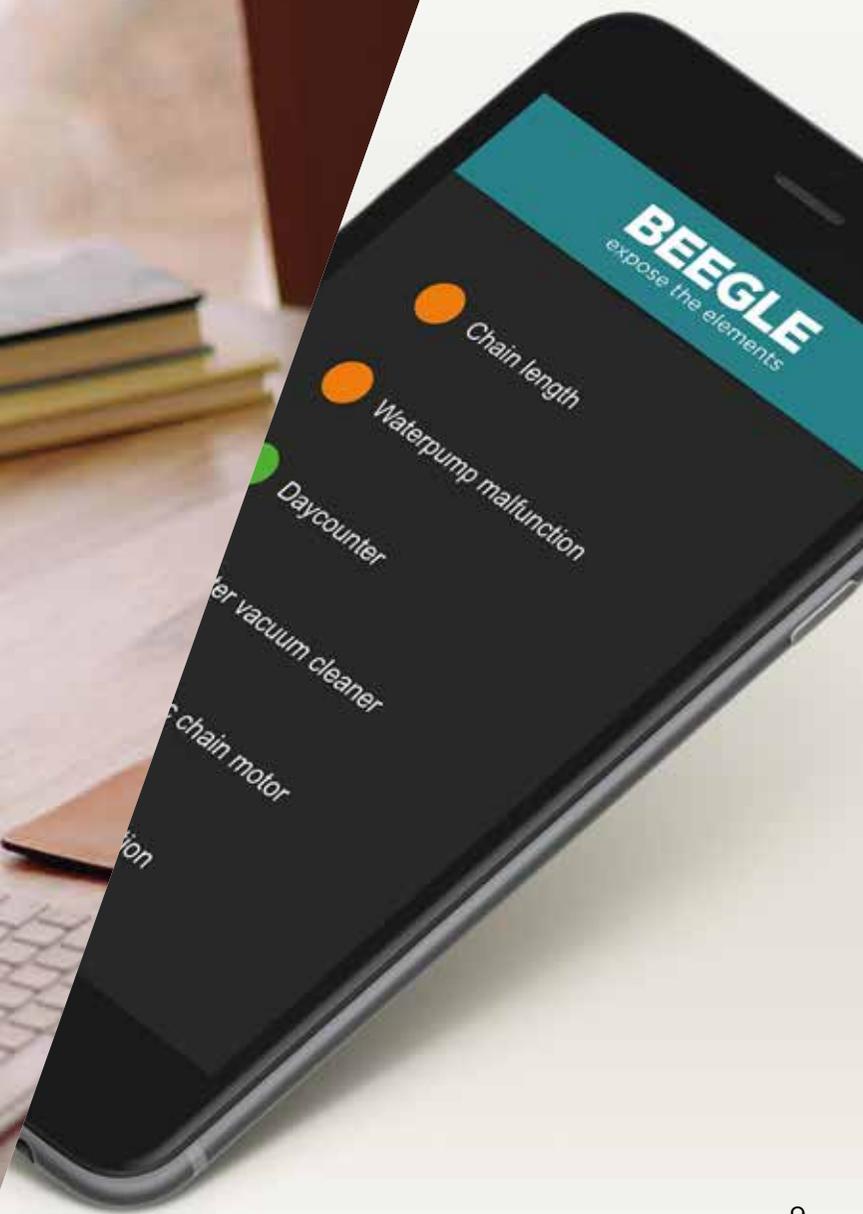


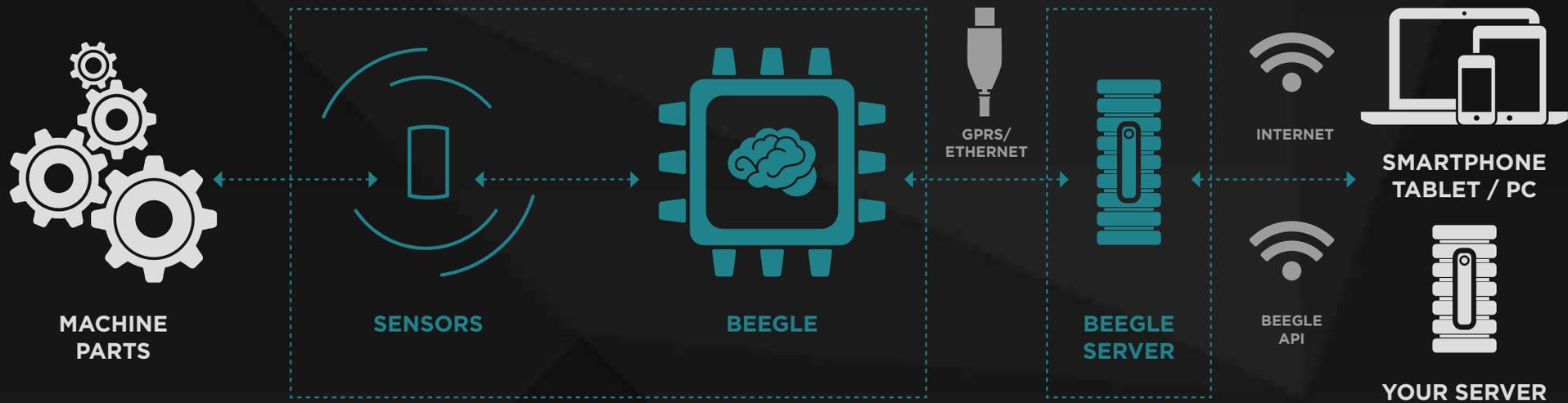
Green? Keep up the good work



Orange? Attention is needed







Specifications

General data:

- Power 9 - 34 Volt DC
- Maximum ambient temperature -40 to +85 °C
- Housing ±180x187x55 mm
- Water resistance IP65 (with 70-pin connector)
- Sensors: 4 tot 20 mA

Communication (input):

- 1x CANbus (2.0A & 2.0B)
- 1x RS232 / RS485 (Modbus)

Inputs (technical):

- 16x Digital inputs
- 10x Analog inputs

Outputs (technical):

- 16x Digitale outputs (6A maximum)
- 7x PWM outputs

Localization:

- Built-in GPS system

Built-in GPS system:

- GPRS (encrypted)

Interfaces:

- SMS and/or e-mail alert
- Webapps for IOS, Android, Windowsphone
(See data up to 1 month history)
- Desktop for Windows and OSX (browser-based) (view all historical data with an export function to MS Excel, or PDF)





Simple

Many control systems are characterized by their complicated operation and presentation of data. An important condition that we have imposed on the Beagle is that it should be simple. We can place brand-independent sensors whereby each component is suitable for our system. It not only sounds very simple; it is very simple! We place the Beagle effortlessly into every machine you have and you decide what you want to measure. You can start with one or two measurements. There is always a possibility to expand those measurements. This distinguishes the Beagle from all the control systems that are now available on the market.

The Beegle is designed for a wide variety of applications and therefore highly versatile. This could include, among others:

- ✓ Chains, bearings and electric motors;
- ✓ The composition of liquids and fats;
- ✓ Humidity;
- ✓ Temperature;
- ✓ Condition of electric motors;
- ✓ Clearance and distance;
- ✓ The delivery of overall management information such as counter readings.



Alert

Only when the intervention value is exceeded, you get a signal. We call this indicative maintenance. This is the power of Beegle. Like its namesake, the ever alert beagle dog, he only barks when alarmed. He is always warning and nothing escapes him.

There is not yet a standstill, and the component does not directly need replacement. But you know that something is wrong and you can avoid worse. Based on the insights you get, you can make adjustments to the machine or the components. In short, the Beegle assists you in going from periodic maintenance to indicative maintenance.

Accurate

The sensors observe what happens in a machine and if the measured values exceed a critical limit. Consider noise, spins, temperature, vibration, acidities, dust or pollution. We have the right sensor for everything you can think off.

In the implementation of the Beegle the intervention levels will be established. If these values are not known in advance, they will be determined after a certain measurement period and set. Depending on your specific needs we can set the Beegle accurately.

Money saving

With the Beegle measuring 24/7, you are not dependent on periodic measurements. The risk of these periodic measurements is that you miss critical deviations that can cause malfunctions. A single sprocket which falters can directly affect orders, money and perhaps even customers.

Through My Beegle you will get a notification of a deviation from the norm. You avoid a standstill and save money on preventive maintenance. Besides that, you will save money because periodic measurements are no longer necessary. Parts are only replaced if needed. Also, highly complex control systems are not required anymore.

Your benefits

- ✓ Via your smartphone and desktop 24-7 insight into the performance of your machinery and equipment.
- ✓ You can react immediately to deviations from the norm.
- ✓ Downtime to a minimum.
- ✓ You can save on early replacement.
- ✓ The Beegle is brand-independent and suitable for each part.
- ✓ No waste of time, energy and manpower.

Do you want a Beegle?

That is, just as the Beegle itself, very simple. On the basis of an inventory, we determine together what we want to measure and we will set the intervention values. This will, depending on the specific situation, take about one day. Obviously we disrupt business as little as possible.

A maintenance contract

If you choose the Beegle, then you invest once in hardware and software, including installation on site. When purchasing a Beegle, a maintenance contract is also concluded for the period after the first year. Using the software, the software updates and data transfer are included.

Getting to know the Beegle

We like to show you how you can use the Beegle, and what advantages it gives you. For example, we can give a demonstration of our product. Curious? We gladly come and meet you.

Morskate: the logical creator of the Beegle

Morskate exists for over 50 years and has developed into a leading international company in the field of drive technology. We work closely with our manufacturers and we will help you make the right choice. Exclusive agreements with these manufacturers make our product range extremely interesting. Personal advice and high quality are key.

Through the experience and excellent product knowledge of our Sales Engineers, our service is beyond just delivering a product. A major focus is placed on providing a total package and executing client specific customization operations. The development of Beegle by Morskate fits perfectly into this philosophy.

Morskate[®]
Driven by technology

beegle.nl