

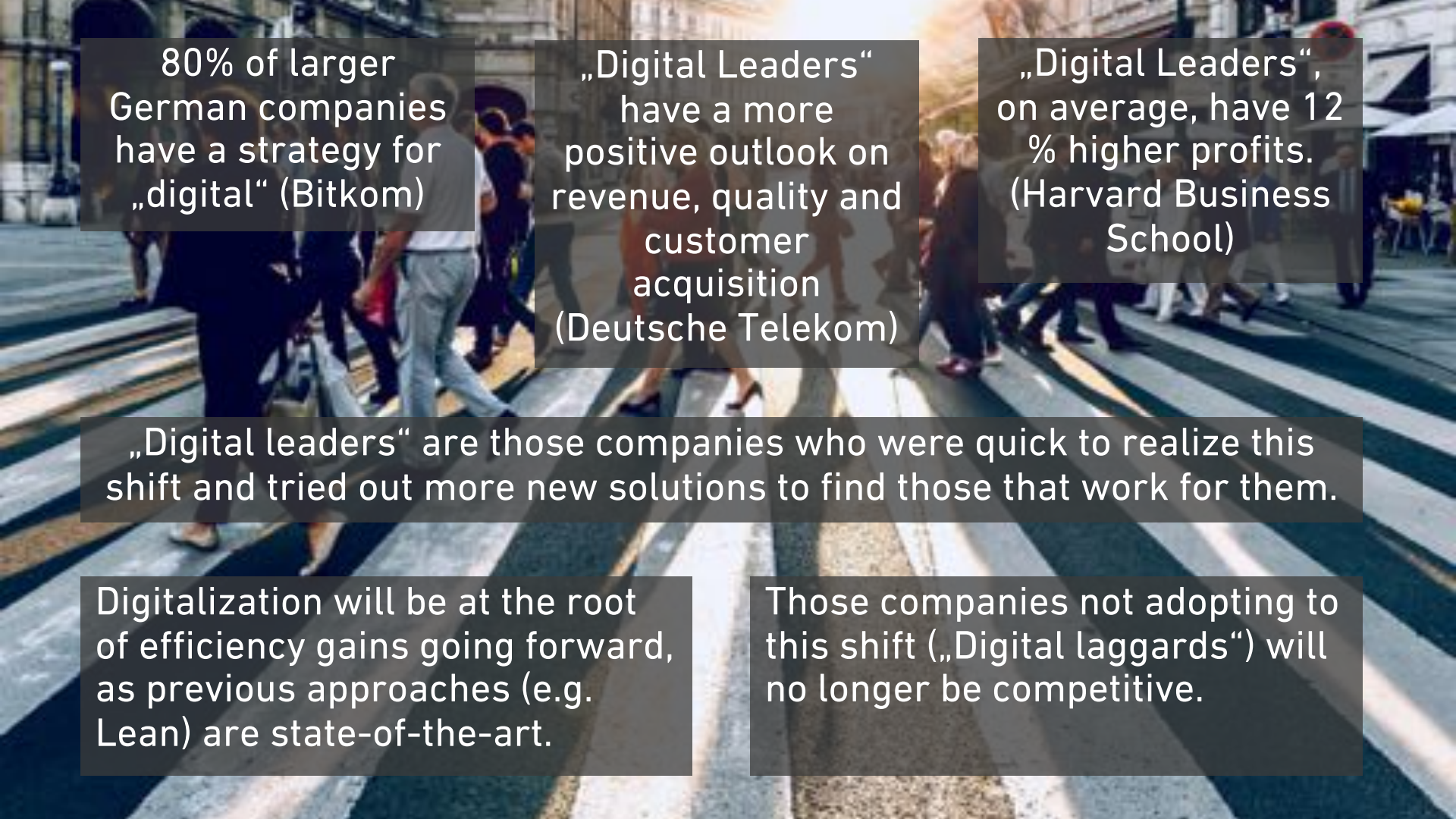
# KINEMIC

## H A N D S F R E E   I N T E R A C T I O N

Kinemic was founded in 2016 and is a spin off from the renowned Karlsruhe Institute of Technology (KIT).

Kinemic's mission is to enable „handsfree interaction“ –touchless, ubiquitous and easy interaction - with digital devices of all kinds.

This is an ever more urgent mission, as the digital transformation has fully arrived and ever more employees need to control some kind of digital system as part of their work.



80% of larger German companies have a strategy for „digital“ (Bitkom)

„Digital Leaders“ have a more positive outlook on revenue, quality and customer acquisition (Deutsche Telekom)

„Digital Leaders“, on average, have 12 % higher profits. (Harvard Business School)

„Digital leaders“ are those companies who were quick to realize this shift and tried out more new solutions to find those that work for them.

Digitalization will be at the root of efficiency gains going forward, as previous approaches (e.g. Lean) are state-of-the-art.

Those companies not adopting to this shift („Digital laggards“) will no longer be competitive.

# What are industrial and manufacturing companies expecting from digitization?



Increased  
efficiency



Right info at  
the right time



Increased  
Flexibility



Intuitive control,  
optimal User  
Experience



Perfect  
documentation

Increased efficiency easily tops the wish list (PWC). A major factor to consider in implementing digital transformation projects is of course employee acceptance: A clunky interface quickly destroys acceptance and in turn eliminates business value!

Luckily Kinemic's solution can address all these issues. Let's look at some examples on the next slides.

# Quality

## Old Process:

- Inspect checklist at the computer terminal
- Go to object
- Perform checks
- Go back to terminal
- Data entry

## New Process:

- Display next process step on large monitor
- Perform check
- Make check gesture

Potential savings: walking time and data entry time

Additional benefits: Reduced error rate, higher flexibility



# Hygiene

Old Process:

- Perform device operation (e.g. reset a scale)
- Desinfect controls / touch surface
- Change gloves

New Process:

- One gesture

Potential savings: Time and material costs

Additional benefits: Better compliance with regulations





# Maintenance

Old process (best case scenario):

- Print allocated maintenance job
- Perform said maintenance job
- Fill out maintenance plan while doing said job
- Go back to office and enter data

New process:

<https://www.youtube.com/watch?v=PrwhDabj6NY>

In the video, a worker uses a smartglass and Kinemic's solution to navigate to a technical place and then perform the maintenance. The smartglass output is shown in the top left.

In his app, he has all the necessary information and can easily interact with it just using gestures, even when wearing gloves or with dirty hands.

It is amazing how smooth he can work through the small example process in one flow. Using the camera he can document the results and the app can report everything back to a central system.



# Kinemic Band



## The future of interaction

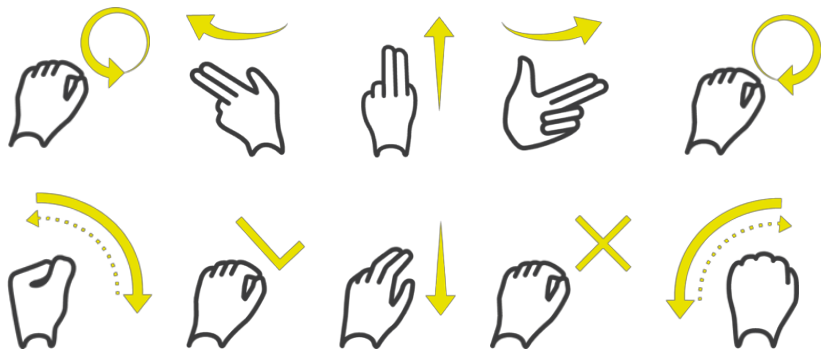
Gesture control wearable

We're really proud to enable all these really impactful use cases even for smaller companies with our first product: the **Kinemic Band**.

With **Kinemic Band** it is really easy to upgrade and enable processes to use gesture control and reap the benefits.

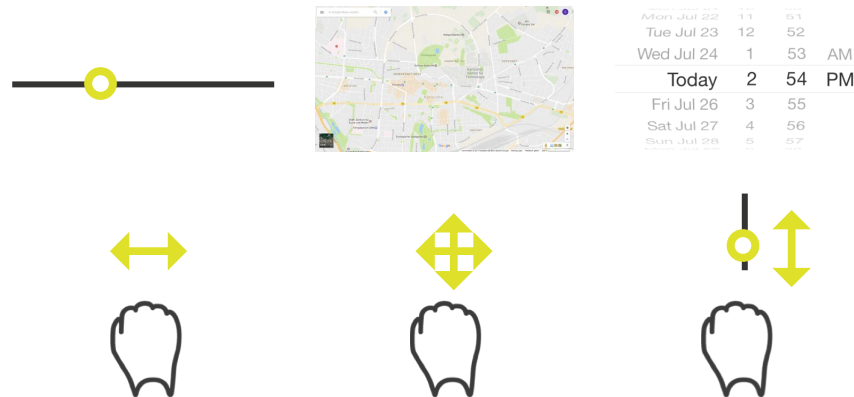
In addition to selling the hardware and the accompanying SDK, Kinemic also offers support and consulting services for the implementation and business case evaluation.

# Features



## Gestures

We provide 12 gestures out-of-the-box. These have been extensively tested in industrial contexts and were selected with a focus on ease-of-use and low probability of false detection



## AirMouse

With the AirMouse it's possible to use the raw movement data to control e.g. sliders and other UI elements



# Customers and partners

**BOMBARDIER**

**DB**

**SEW**  
EURODRIVE

**Schneider**  
Electric

**SAP**

bitnamic

**UBiMAX**  
wear IT at work

**ELABO**

**SIEMENS**

Schwan **STABLO**

**KONICA MINOLTA**

**ZEPPELIN®**

**barcotec**  
YOUR DIGITAL ENABLING SPECIALIST.

**VUZIX®**

**realwear**

**ioxp**  
cognitive AR

We're proud to count some of Germany's premier industrial companies amongst our customers (we're not yet allowed to name all customers due to NDAs). We have strong partnerships with solution providers which utilize the Kinemic Band in their products, for applications ranging from remote assistance to assembly support and glasses-based AR maintenance.

# Team & Awards



We're currently 11 people located in Karlsruhe, mostly computer scientists and engineers.

We were awarded many national and international prizes for our groundbreaking technology.