

ProfilGate® - Contamination Control System for the Food Processing Industry



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The Problem



- ✗ High risk of microbiological contamination
- ✗ High risk of ingress of foreign matter

Current Measures and their Limitations



✗ Sticky mats

Not durable,
very quick wear
and tear



✗ Disinfection mats

No physical brushing and
no dirt removal, limited
to light weight



✗ Foot baths

No physical brushing
and no dirt removal, limited
to pedestrian traffic

**The Solution:
ProfilGate® aqua – For Highest Demands on Cleanliness**

Key-Element for Cleaning Process and Optimum Hygiene Concept



- ✓ **Active brush cleaning** of shoe soles and tires in only one process
- ✓ **No stoppages** necessary, cleaning while passing the system
- ✓ **Low maintenance**
- ✓ **Extremely long durability** and warranty

The Components of the System

Brush strips with diagonally arranged
bristles of different lengths

Individual grates (stainless steel)
with patented brush strips

Inlet for automatic
(re)filling of liquid

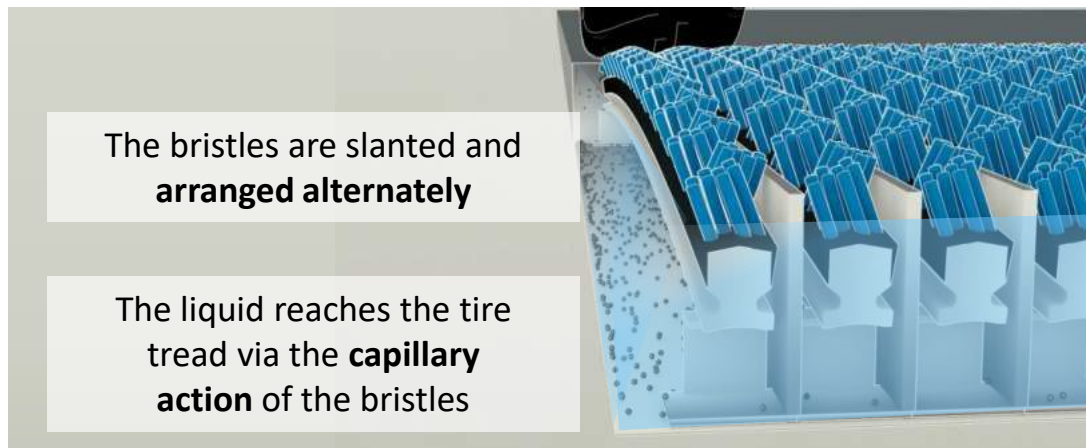
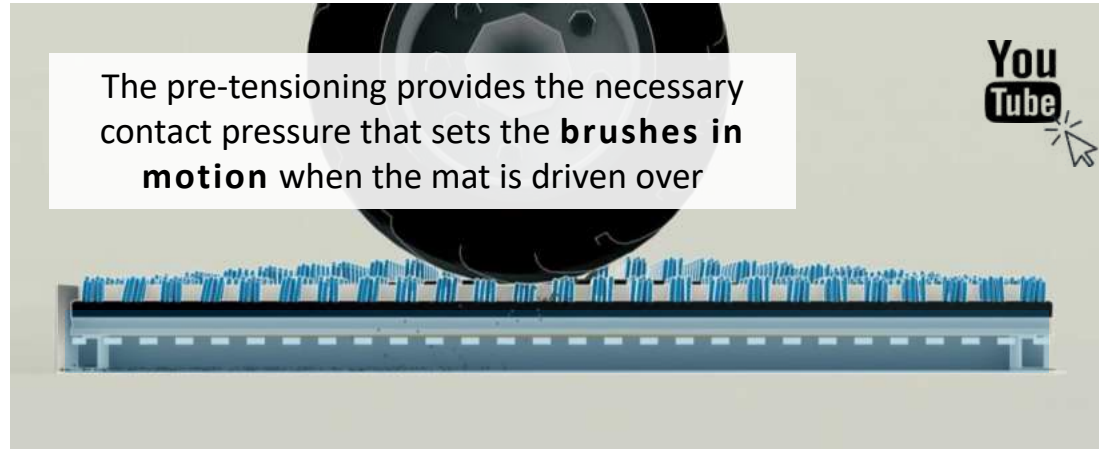
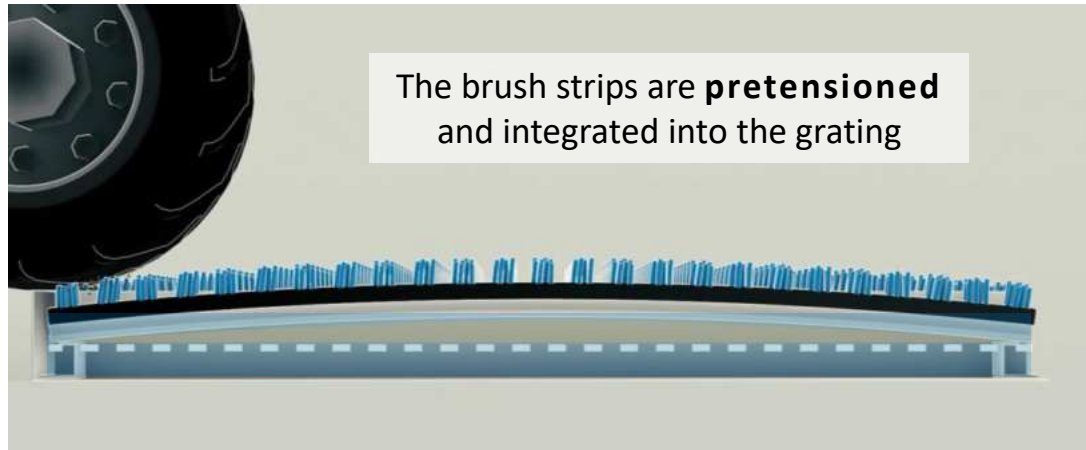
Collection tray
(stainless steel) for
disinfection liquid and dirt

Drain for quick and easy
removal of waste water



Quality
**made in
GERMANY**

The Function



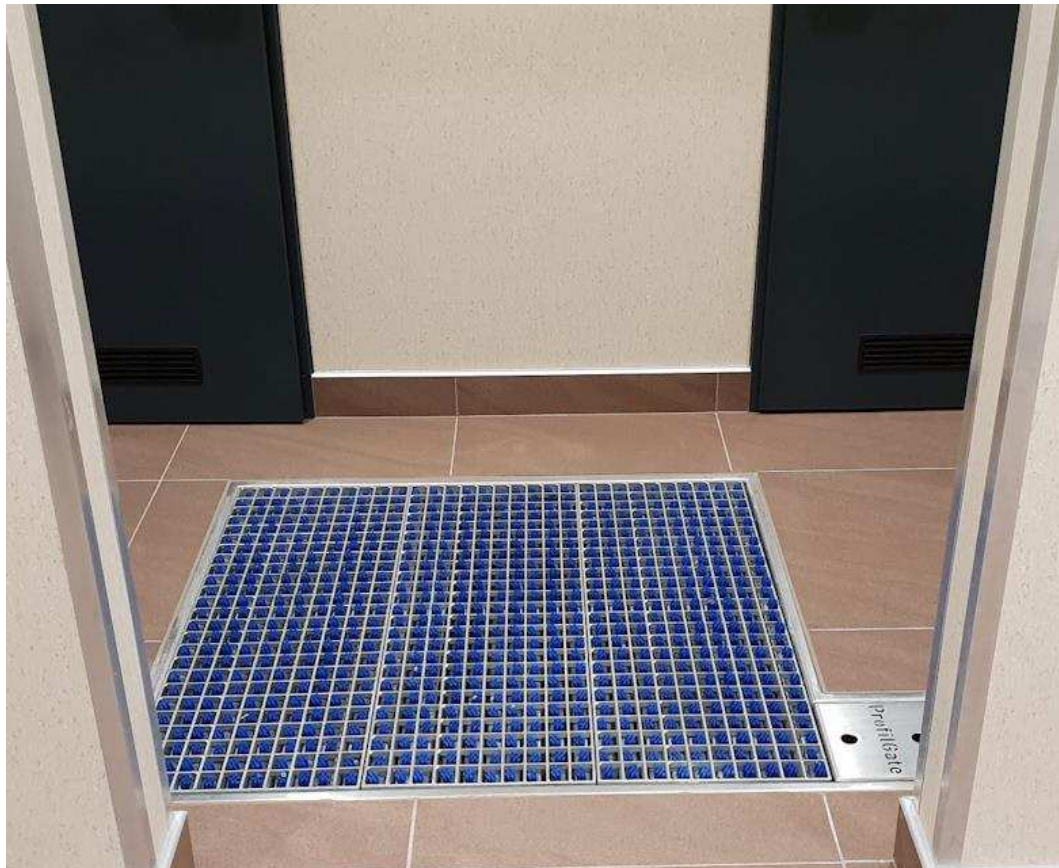
Typical Applications – Caster and Footwear Cleaning



Typical Applications – Separating Low Risk from High Risk Zones



Example of a food Installation in Lithuania



KG Group



Klaipėdos pienas

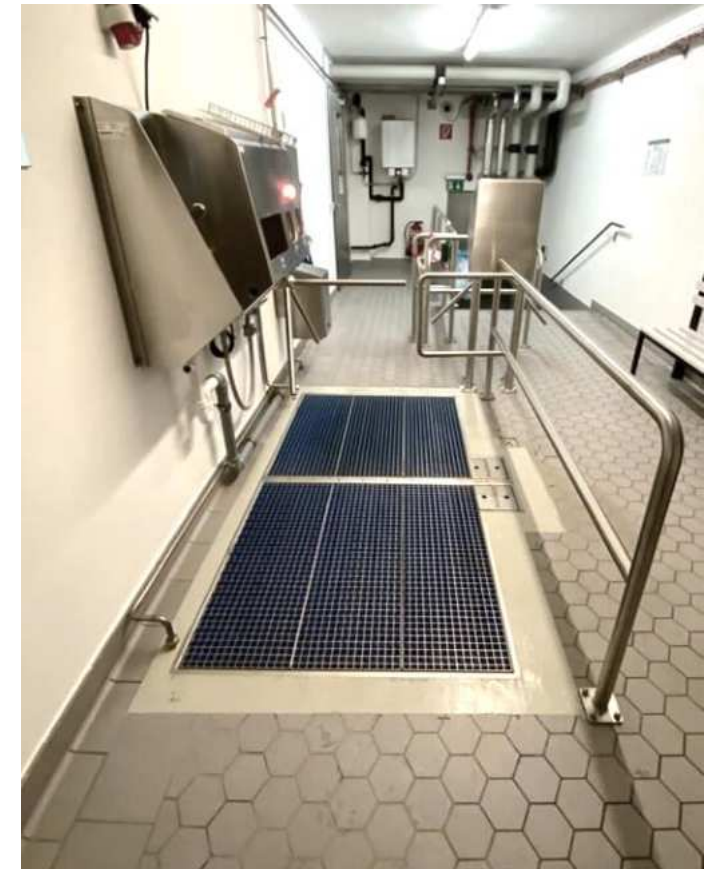
Example of a non-food Installation in Lithuania



Avisma



Easy to Use and Clean



Effectiveness – Scientifically Proven

		Rollers after application mo + drying	Soles after application mo + drying	Rollers after driving over the fields	Soles after passing over the fields	Reduction
E. coli	RODAC - plate	Lawn/ 25 cm ²		141 cfu/ 25 cm ²		Significant reduction
	Swab	ca. 10 ⁵ cfu/ml *	ca. 10 ⁵ cfu/ml *	ca. 10 ³ cfu/ml *	ca. 10 ³ cfu/ml *	2log ₁₀ -Steps = 99%
Enterococcus faecium	RODAC - plate	Lawn/ 25 cm ²	Lawn/ 25 cm ²	46 cfu/ 25 cm ²	60 cfu/ 25 cm ²	Significant reduction
	Swab	ca. 10 ⁶ cfu/ml *	ca. 10 ⁵ cfu/ml *	ca. 10 ⁴ cfu/ml *	ca. 10 ³ cfu/ml *	2log ₁₀ -Steps = 99%
Aspergillus niger	Swab	ca. 10 ⁴ cfu/ml *	Not tested	ca. 10 ³ cfu/ml *	Not tested	1log ₁₀ -Steps = 90%

Lawn: Proliferation of nutrient agar by microorganisms (mo) (more than 1000 germs per plate)

cfu: colony forming unit

* ca.: This is a semi-quantitative method.



Institut & Beratungsgesellschaft für
Lebensmittel-Mikrobiologie und -Industriehygiene

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The single passing led to a **reduction of the microbiological bacteria load of approx. 99%.**

The load by the mould spores was reduced by approx. 90%.

Product Safety – Certifications



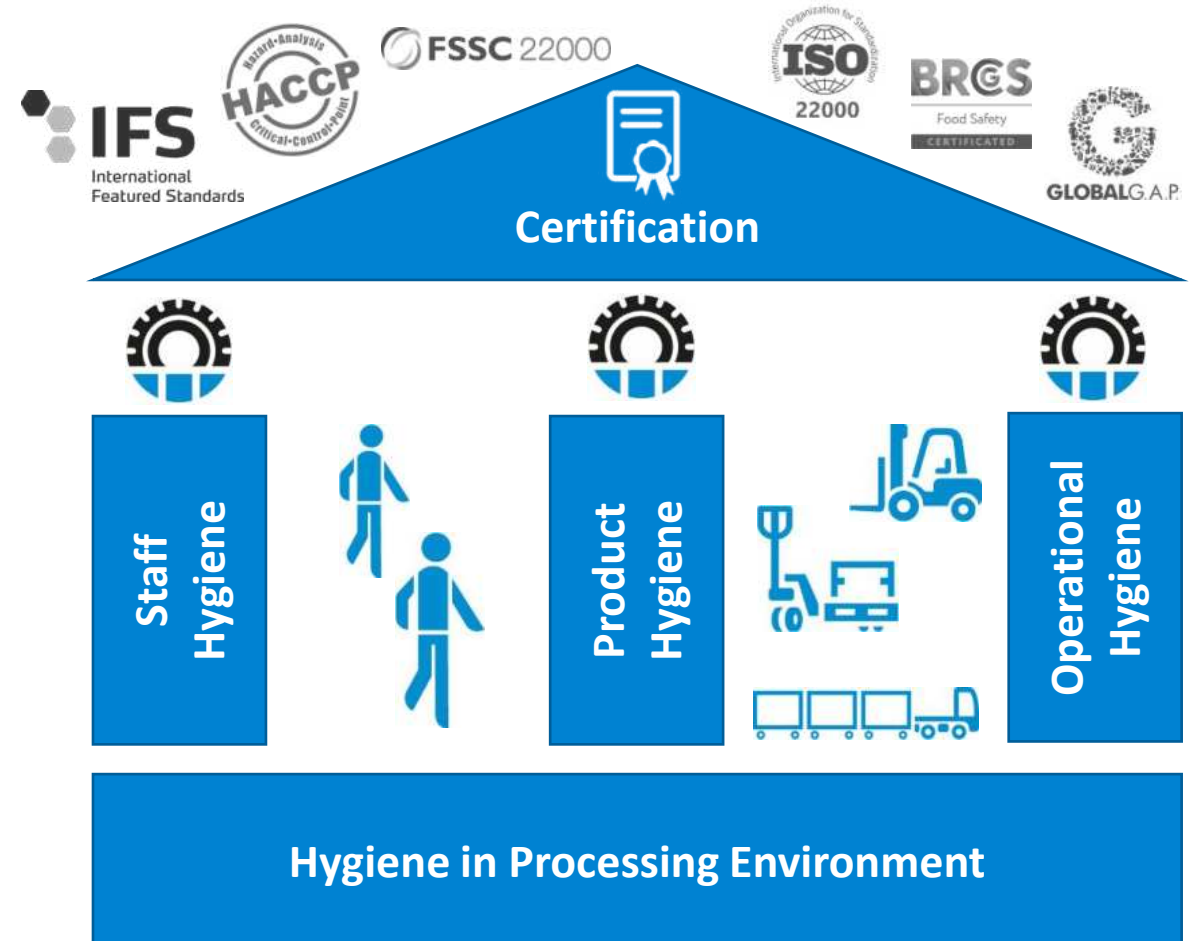
Strict **quality** and **product safety** standards



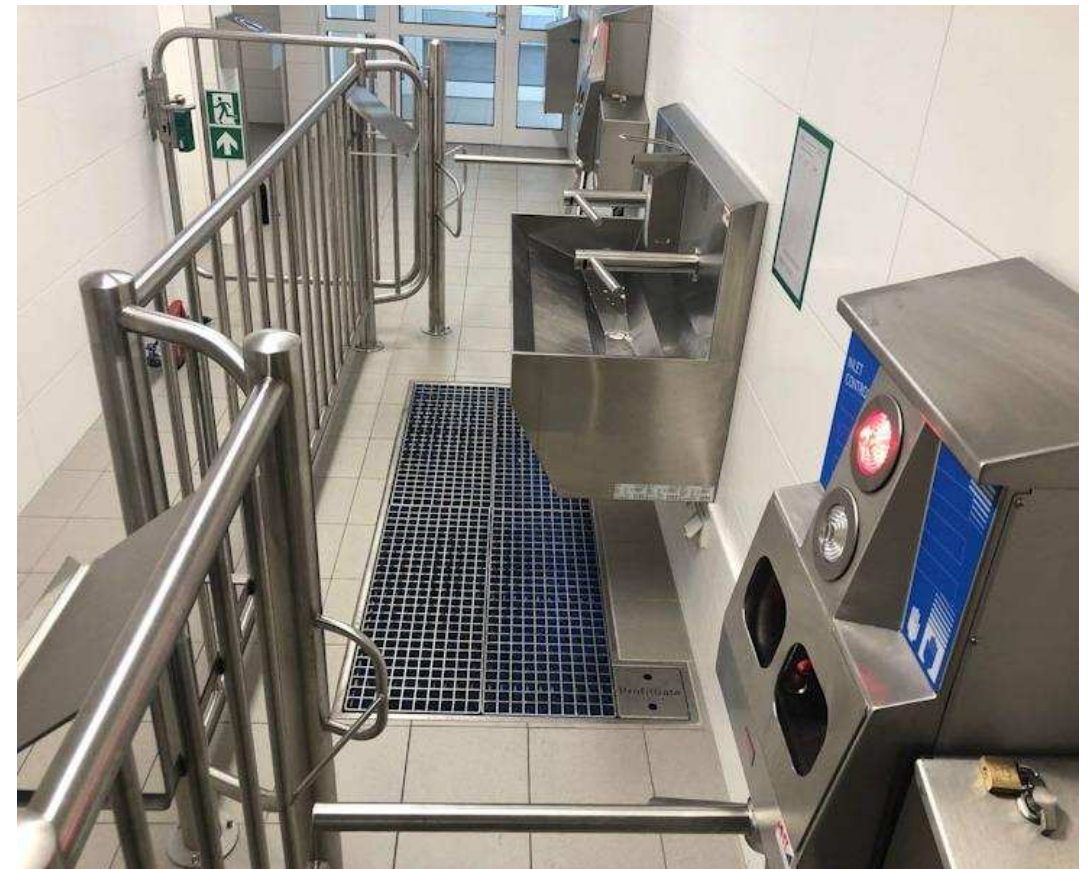
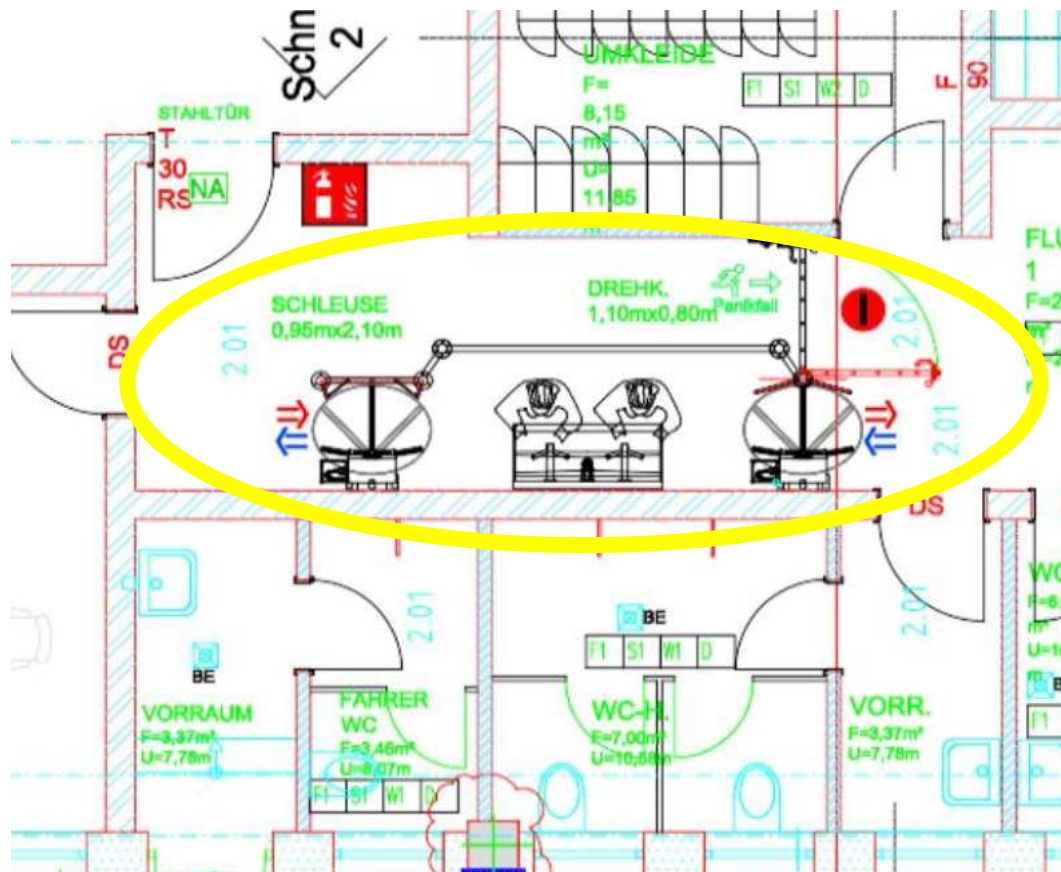
Target is to **protect** hygienic areas **from contamination** and to **provide bio-security**

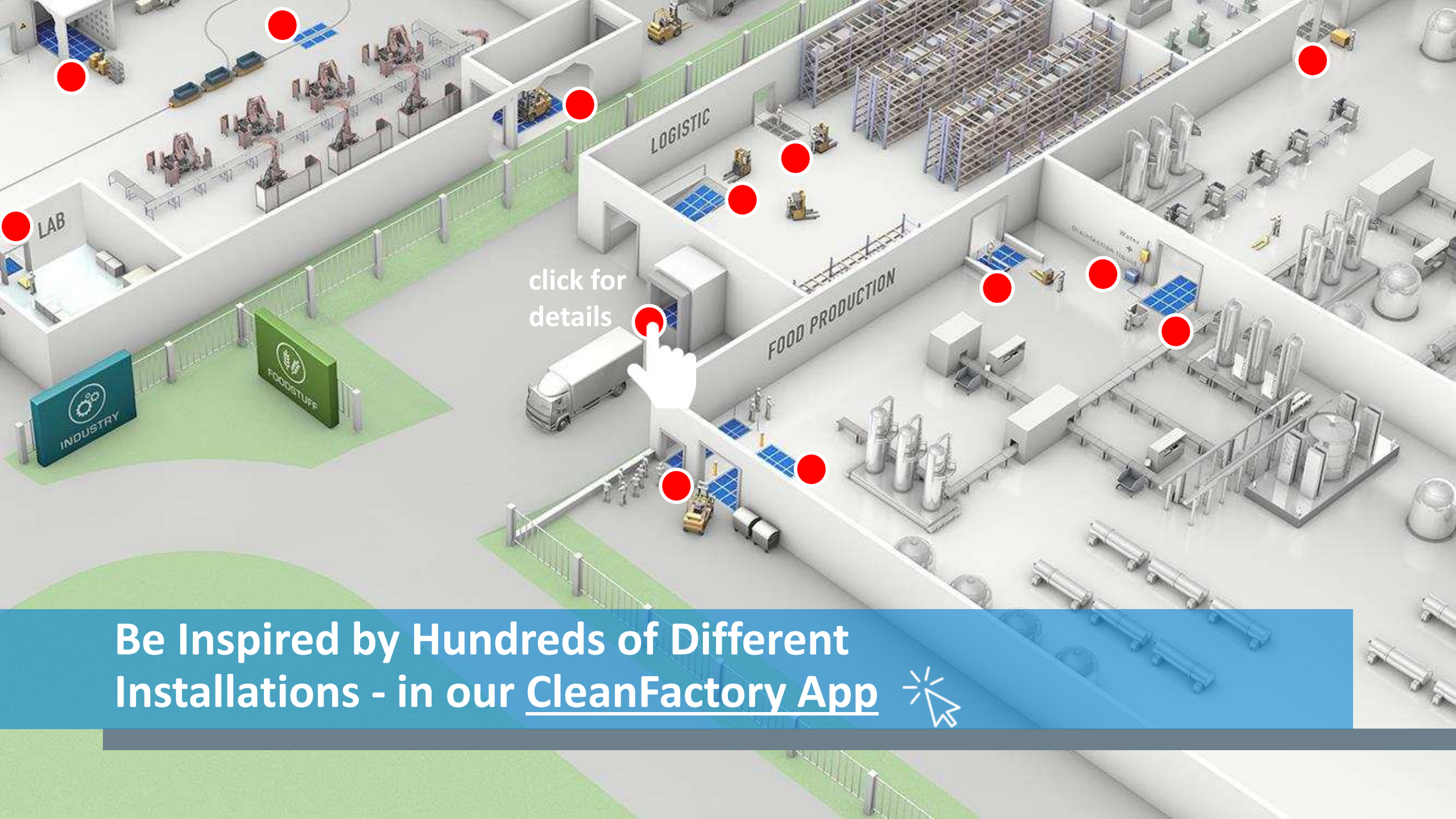


ProfilGate is the missing link to maximize **process reliability**



From Planning to Implementation





Be Inspired by Hundreds of Different Installations - in our CleanFactory App 

References





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A close-up photograph of several wire mesh trays filled with small, blue, cylindrical components. The trays are arranged in a grid pattern, and the components are neatly organized within each compartment. A semi-transparent blue rectangle is overlaid on the left side of the image.

HEUTE Maschinenfabrik