

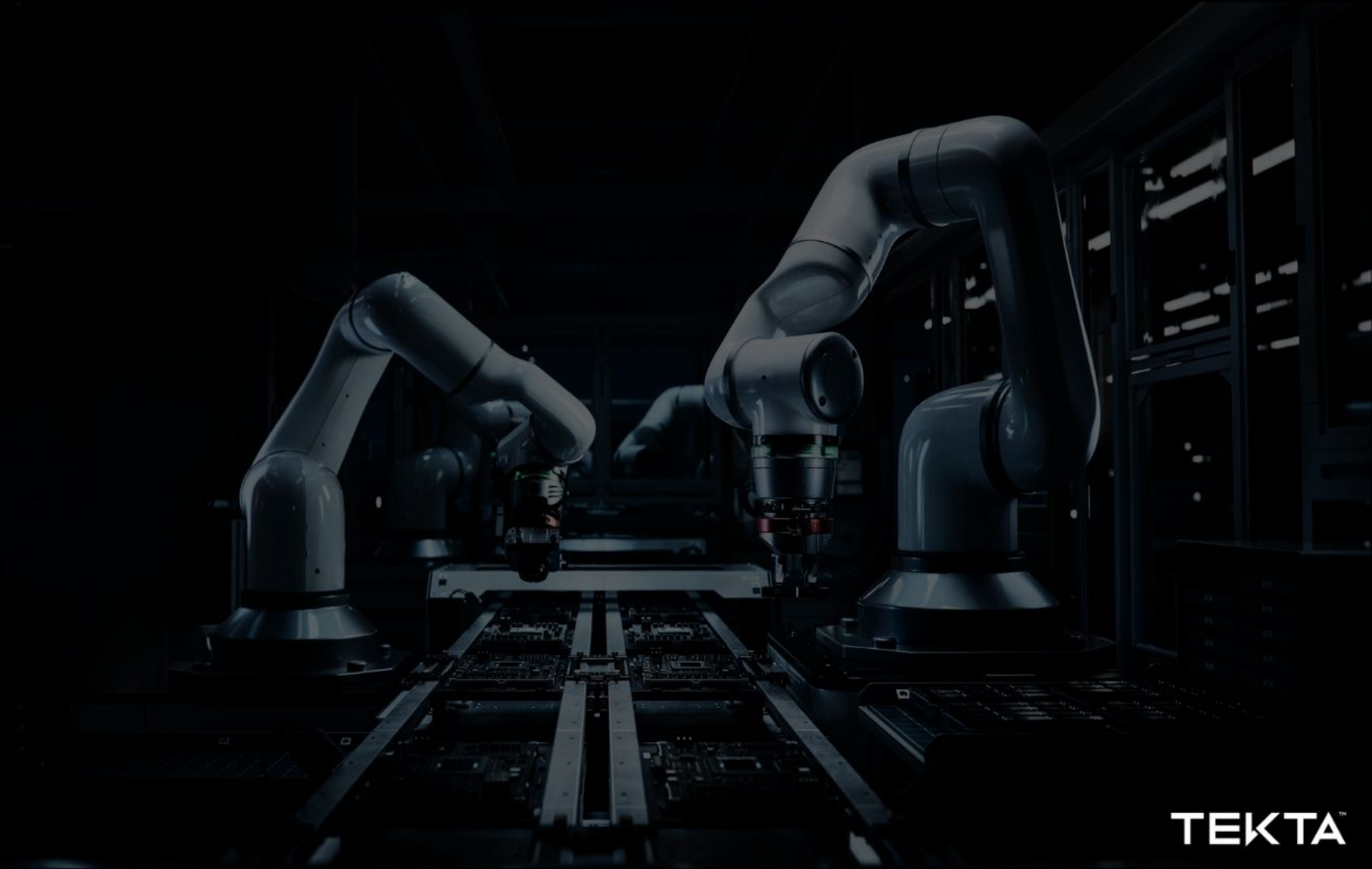
# THE INDUSTRIALISATION OF DRY-ROOMS



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...and what it means  
for doorways!

# WHY DO WE NEED TO TALK ABOUT DOORWAYS?



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- Critical part of industry infrastructure.
- Poor doors = increased running costs.





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- Critical part of industry infrastructure.
- Poor doors = increased running costs.
- Poor doors = dry-room failure.



WHAT ARE WE COVERING  
TODAY?

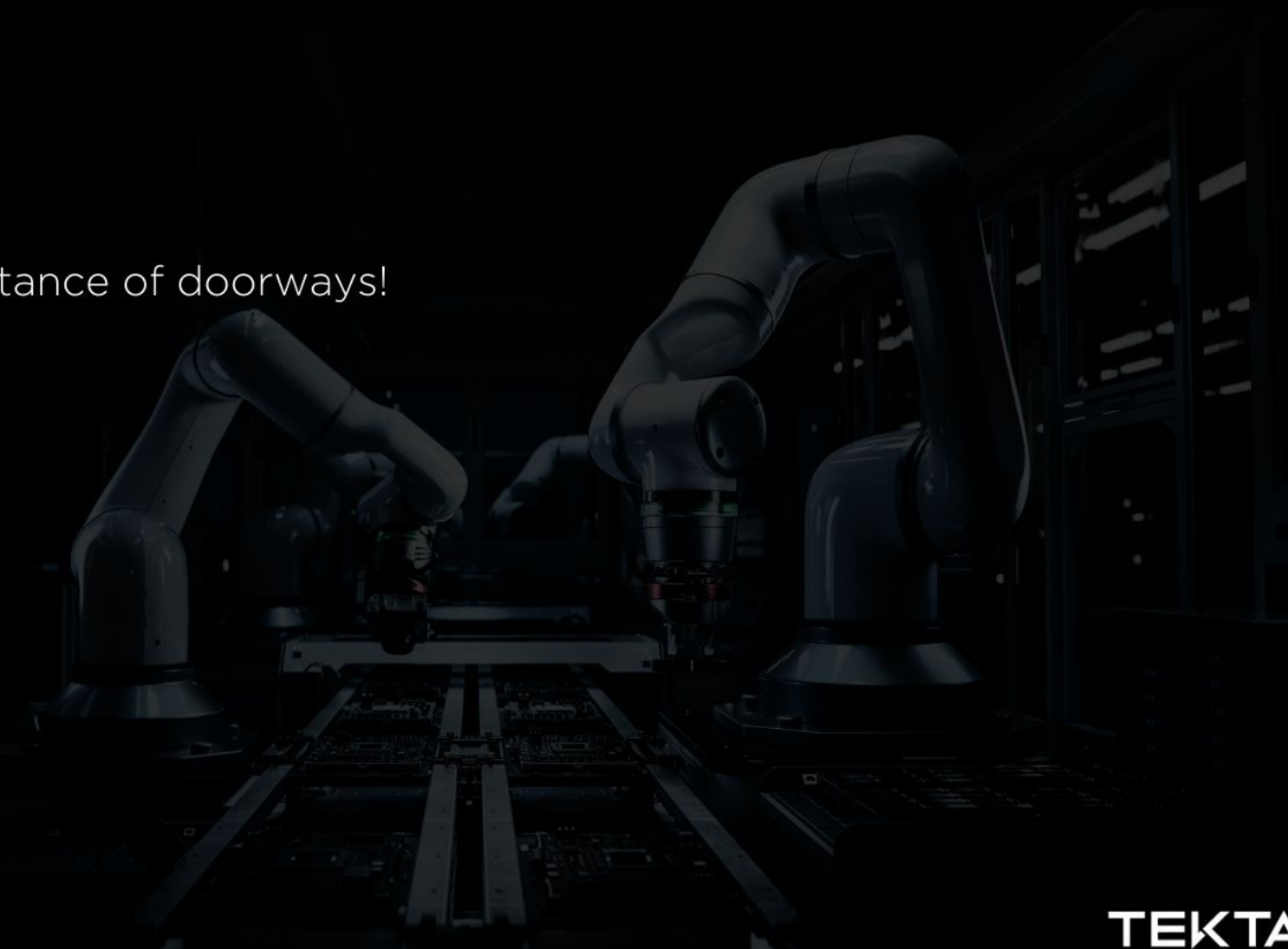


TEKTA™



# WHAT ARE WE COVERING TODAY?

1. Raise awareness of the importance of doorways!

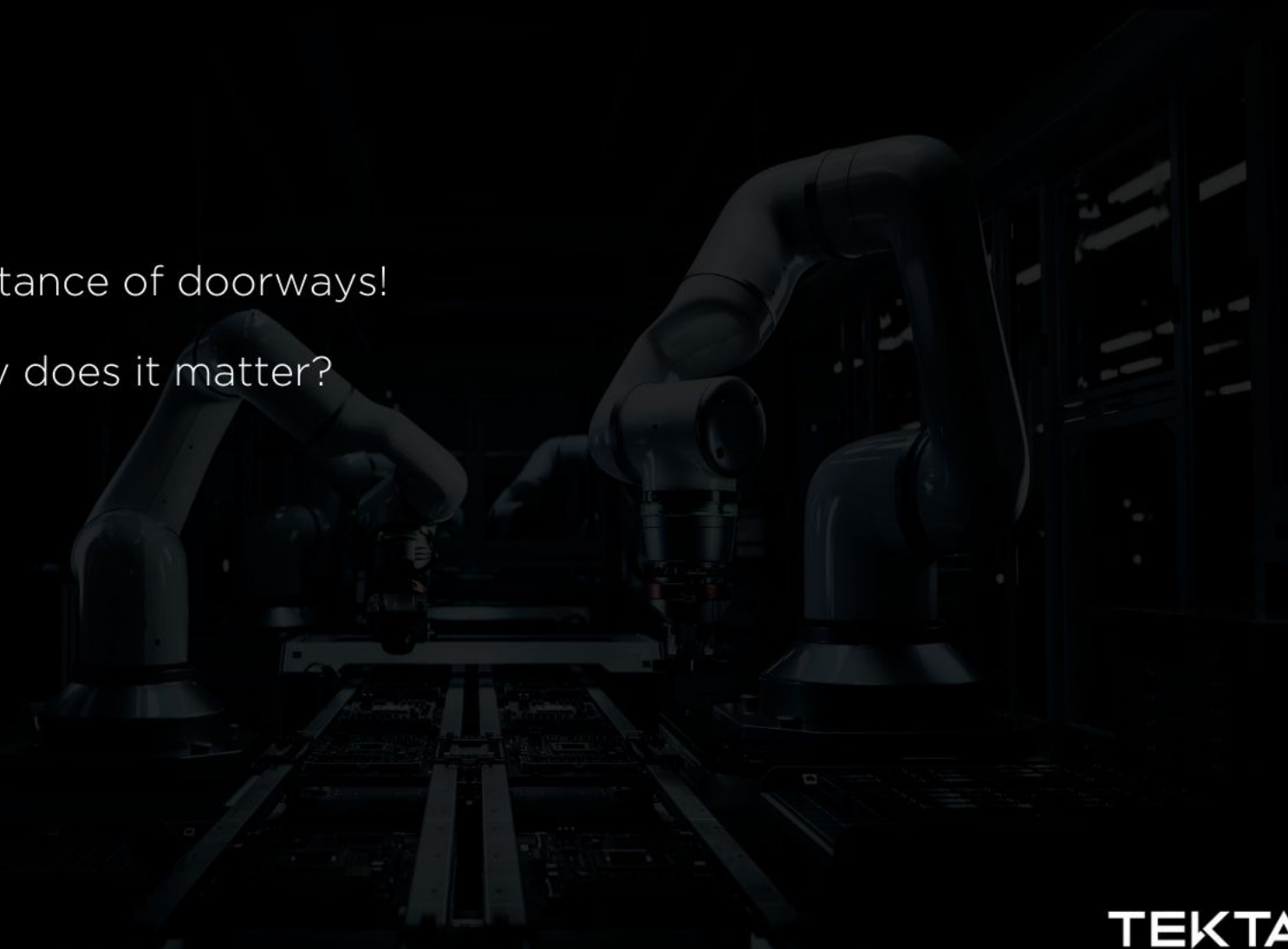






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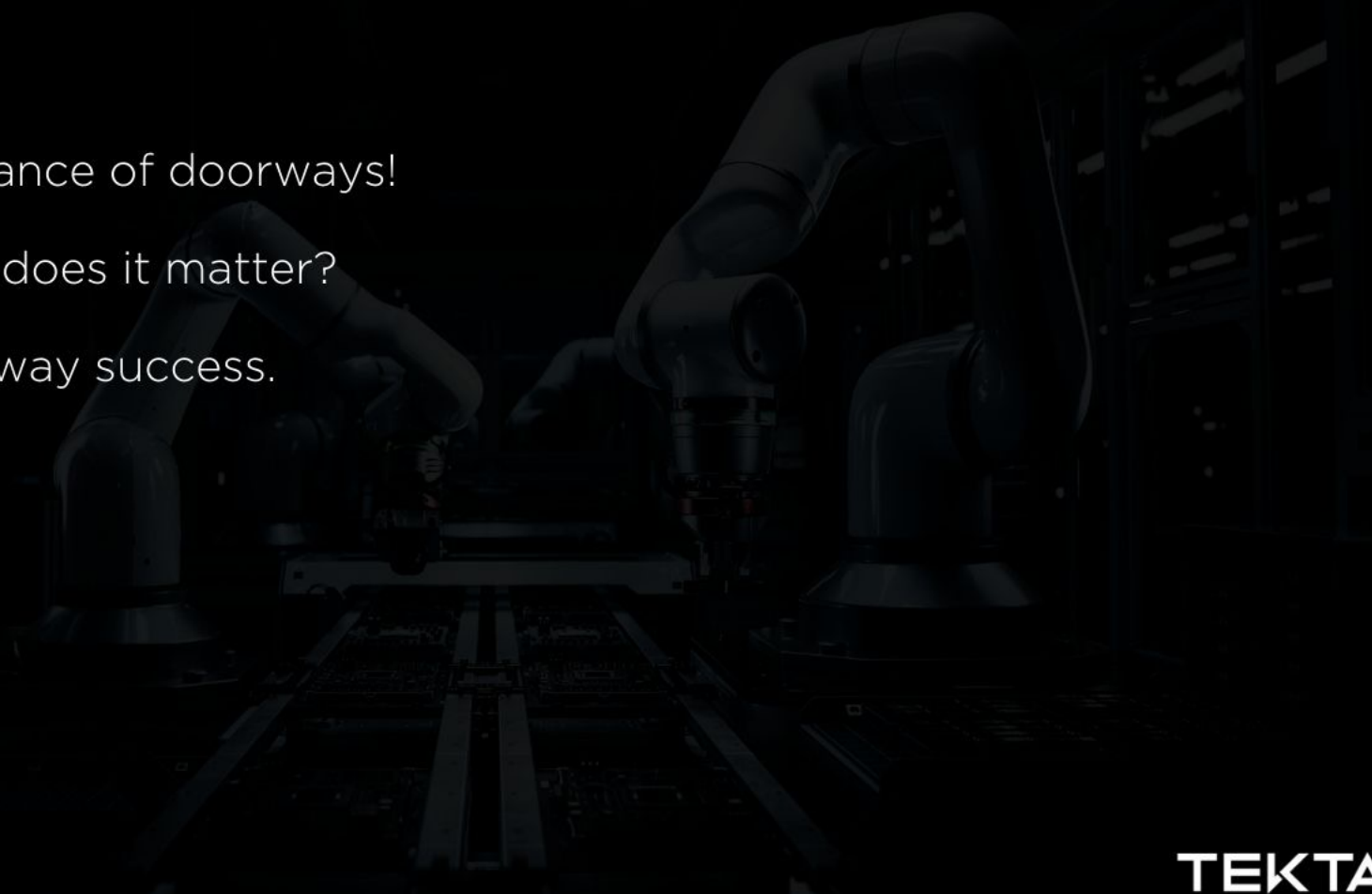
1. Raise awareness of the importance of doorways!
2. What is industrialisation? Why does it matter?





# WHAT ARE WE COVERING TODAY?

1. Raise awareness of the importance of doorways!
2. What is industrialisation? Why does it matter?
3. Suggestions for ensuring doorway success.



# THE WEAKEST LINK!



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# WHAT IS INDUSTRIALISATION?





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The large-scale introduction of manufacturing, advanced technical enterprises, and other productive economic activity into an area, society, country, etc.

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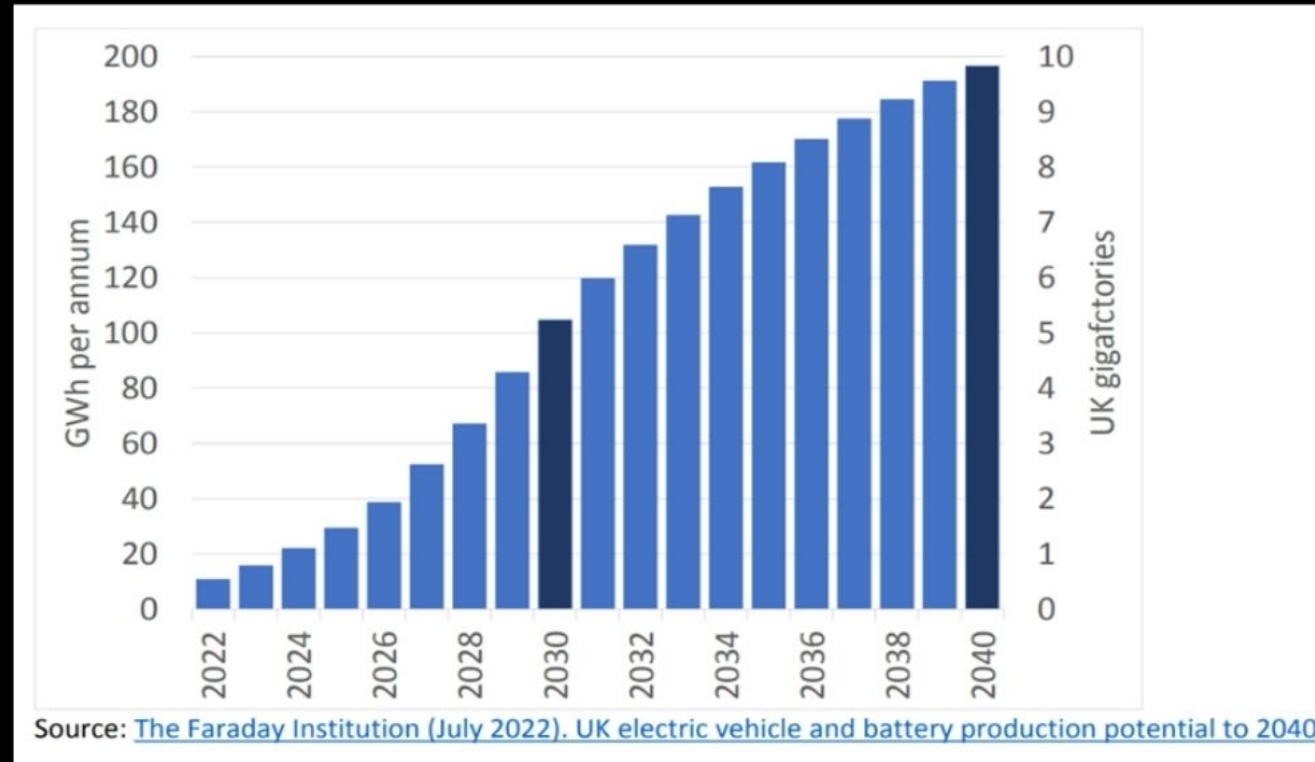
”

“

Conversion to the methods, aims, and ideals of industry and economic activity, particularly of an area that was previously underdeveloped.

”

# WHAT IS INDUSTRIALISATION?





# DOORWAY CHALLENGES IN DRY-ROOMS

# AIR CONTROL



# AIR CONTROL



2 main aspects to a successful dry-room:

# AIR CONTROL



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Equipment & systems to control air quality.



# AIR CONTROL

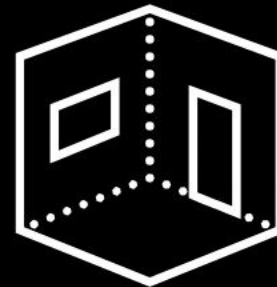


2 main aspects to a successful dry-room:

Equipment & systems to control air quality.



Air-tight envelope.





**BS EN 12426**

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**BS EN 12426**

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**BS EN 12207**

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## BS EN 12426

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Roller / high-speed doors



## BS EN 12207

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## BS EN 12426

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Roller / high-speed doors



## BS EN 12207

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Class	Air Permeability at 50pa (m <sup>3</sup> /m <sup>2</sup> hr)
0	Not tested
1	24
2	12
3	6
4	3
5	1.5

## BS EN 12426

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## BS EN 12207

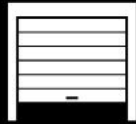
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Hinge doors / sliding doors



## BS EN 12426

Roller / high-speed doors



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## BS EN 12207

Hinge doors / sliding doors



Class	Air Permeability at 100pa (m <sup>3</sup> /m <sup>2</sup> hr)
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## BS EN 12426

Roller / high-speed doors



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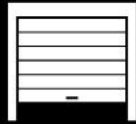
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# FIRE CONTROL





# FIRE CONTROL



1. New technical doorway requirements



# FIRE CONTROL



## 1. New technical doorway requirements

Air-tight requirements



# FIRE CONTROL



## 1. New technical doorway requirements

Air-tight requirements

Cleanroom requirements



# FIRE CONTROL



## 1. New technical doorway requirements

Air-tight requirements

Cleanroom requirements

Fire ratings



# FIRE CONTROL



## 1. New technical doorway requirements

Air-tight requirements

Cleanroom requirements

Fire ratings

## 2. New installation challenges.



# FIRE CONTROL



## 1. New technical doorway requirements

Air-tight requirements

Cleanroom requirements

Fire ratings

## 2. New installation challenges.

Ceiling heights



# FIRE CONTROL



## 1. New technical doorway requirements

- Air-tight requirements
- Cleanroom requirements
- Fire ratings

## 2. New installation challenges.

- Ceiling heights
- Excessive supporting steelwork



# PRODUCT USABILITY





# PRODUCT USABILITY

The need for high speed!



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The need for high speed!

Larger factories



# PRODUCT USABILITY

The need for high speed!

Larger factories

Greater volume of product



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AGVs



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Keeping things flowing!



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“Every system has a limiting factor or constraint”.



# PRODUCT USABILITY

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Greater volume of product

AGVs

Keeping things flowing!

“Every system has a limiting factor or constraint”.

Connection with AGV systems



# LIFELONG RELIABILITY





# LIFELONG RELIABILITY

Product wear and tear.



# LIFELONG RELIABILITY

Product wear and tear.

Proactive maintenance agreements



# LIFELONG RELIABILITY

Product wear and tear.

Proactive maintenance agreements

Correct product type



# THANK YOU !



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