



Cabo de Hornos.

El lujo de lo esencial

We help people to sleep better

TARGET MARKET



Wake up
feeling tired



Wants to
improve quality
of life



CHALLENGE

Improving the efficiency of sleep architecture

The 4 Stages of Sleep



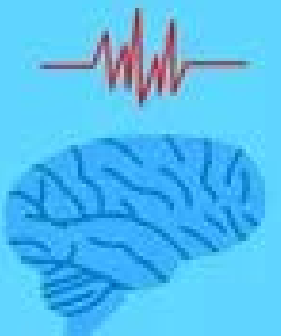
NREM Stage 1

- transition period between wakefulness and sleep
- lasts around 5 to 10 minutes



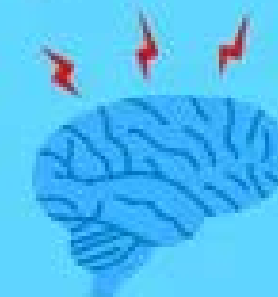
NREM Stage 3

- muscles relax
- blood pressure and breathing rate drop
- deepest sleep occurs



NREM Stage 2

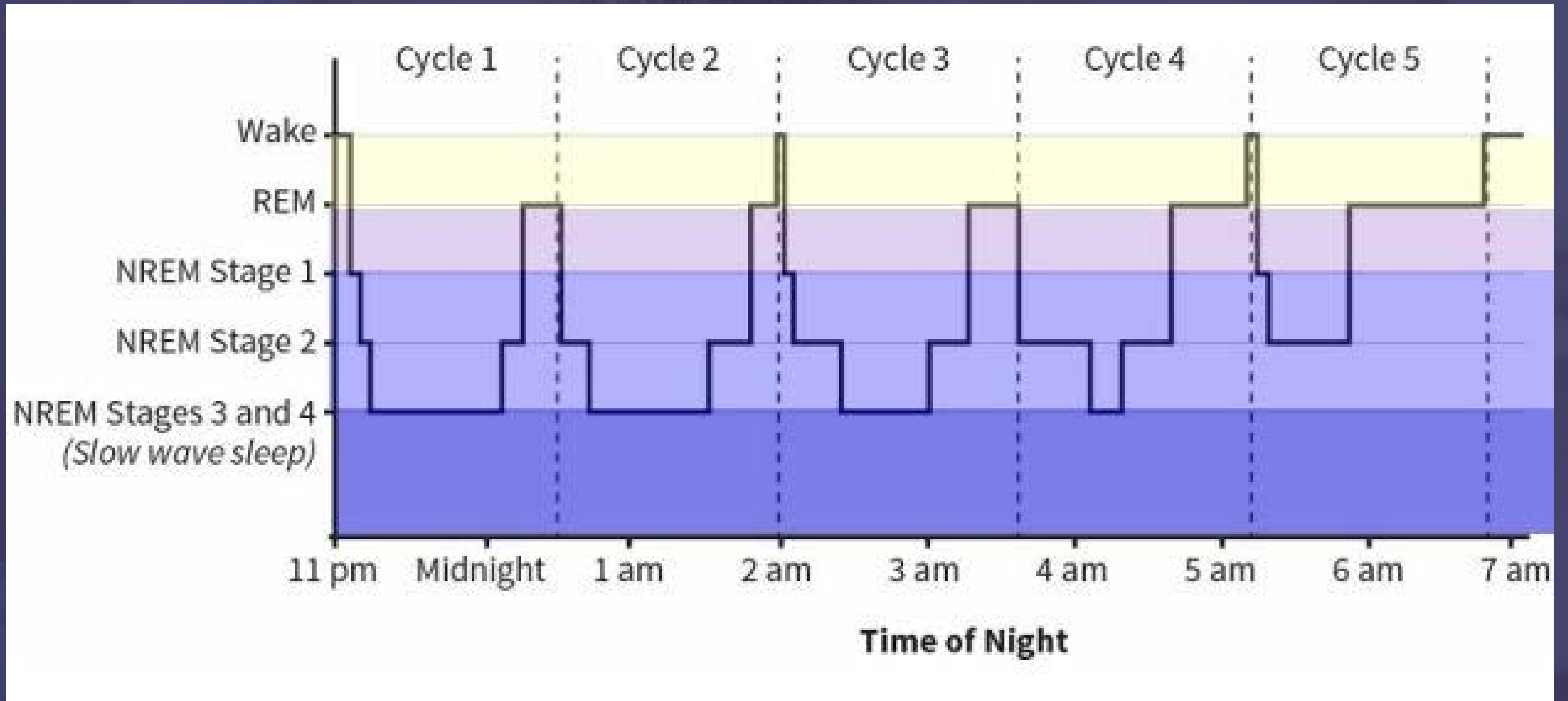
- body temperature drops and heart rate begins to slow
- brain begins to produce sleep spindles
- lasts approximately 20 minutes



REM Sleep

- brain becomes more active
- body becomes relaxed and immobilized
- dreams occur
- eyes move rapidly

CHALLENGE



CHALLENGE

Restorative sleep

Promote good daytime
performance

PHYSICAL REST

Waking up without
pain

1. Neck
2. Lumbar
3. Head

MENTAL REST

Normal cognitive
processes

1. Memory
2. Learning
3. Irritability



**WAKE UP
ENERGIZED**

CURRENT BEST OPTIONS

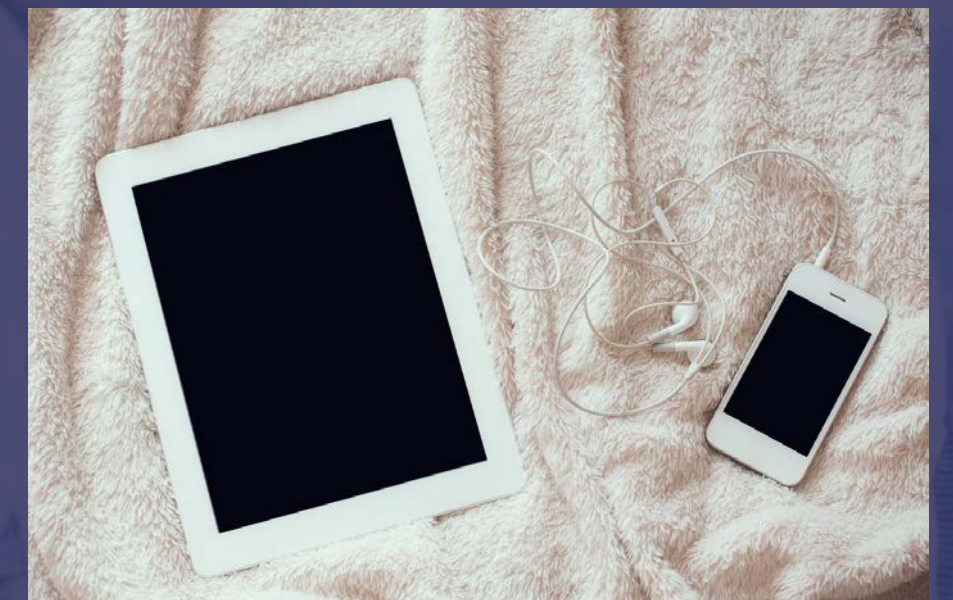
1 Traditional mattress and pillows



2 Use of drugs



3 Emerging smart mattress solutions



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TRADITIONAL MATTRESS AND PILLOWS

- Support surface not suitable for customized personal requirements
- They do not adjust in real time to the movement of the person during the night.



USE OF DRUGS

- They compromise the cognitive processes of the person.
- Prolonged drowsiness, grogginess and long-term dependence



3 EMERGING SMART MATTRESS SOLUTIONS

- High cost



- Does not act in combination with the pillow



UNMET NEED

Provide a **complete dynamic support solution** adjusted in real time to the personal ergonomic requirements of the skeletal and muscular system comfort during the night



IMPACT

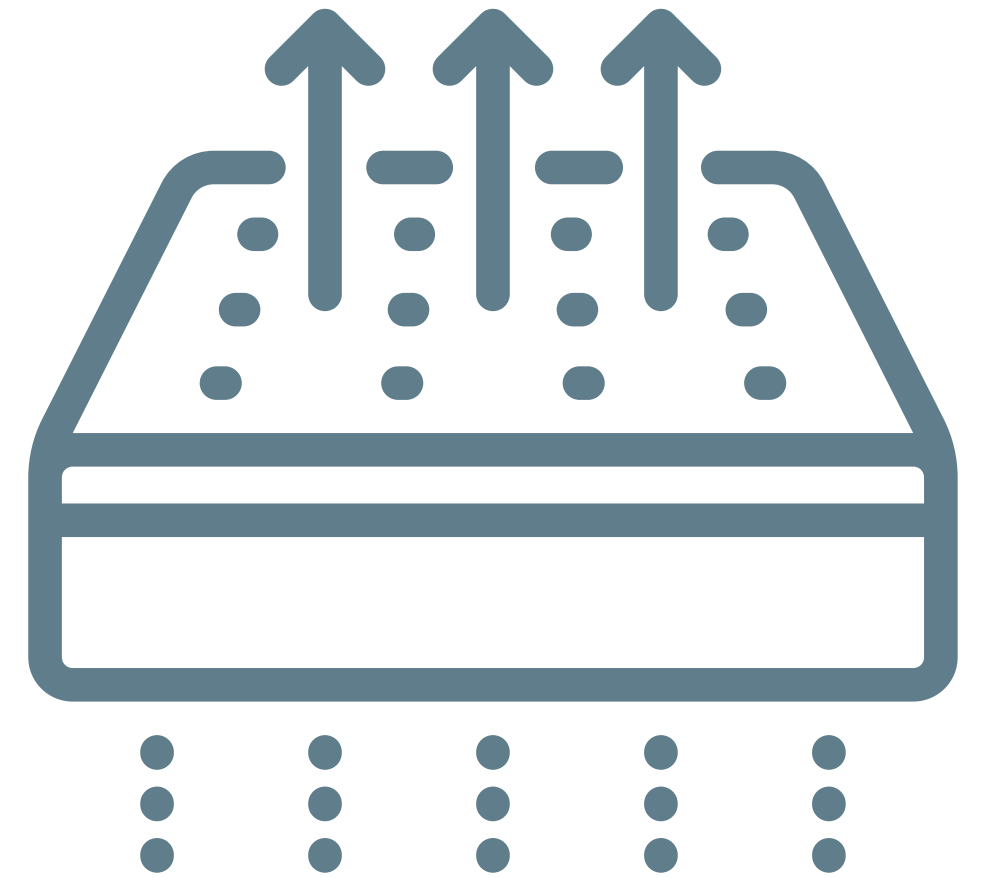
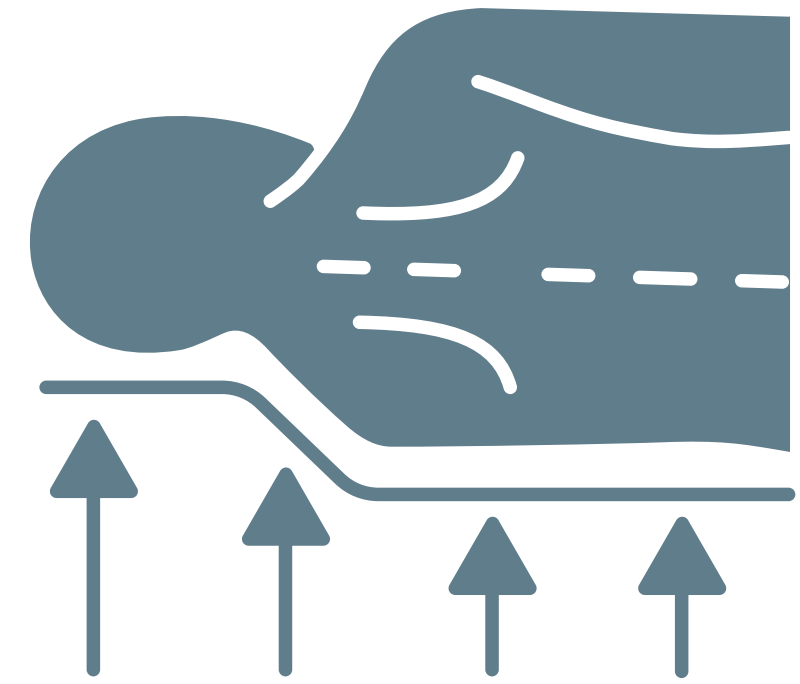
Increase sleep architecture efficiency

- Restore physical energy
- Increase attention
- Improve memory and cognitive performance
- Personal well-being and quality of life



SPECIFIC SOLUTION: SMART BED ECOSYSTEM

- Independent modules with pressure sensors and micro controllers.
- Wireless control system that through IOT and AI monitors and controls the user's position to improve posture and equalize pressure points.
- Air bags, which goes under the pillow's and mattress topper's filling.



DEMONSTRATION

Gold standard
Polysomnography for
sleep studies

Satisfaction surveys



OUR TEAM



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Master Degree



ANDRÉS DONSO

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Radiologist and
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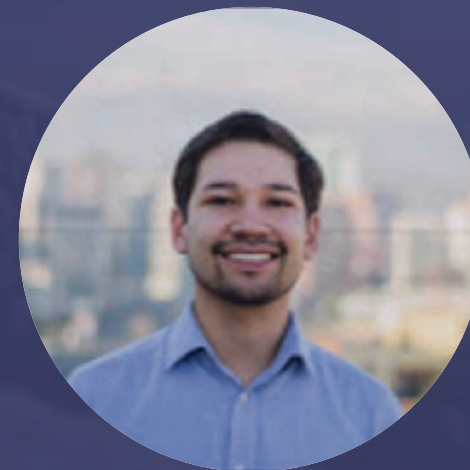
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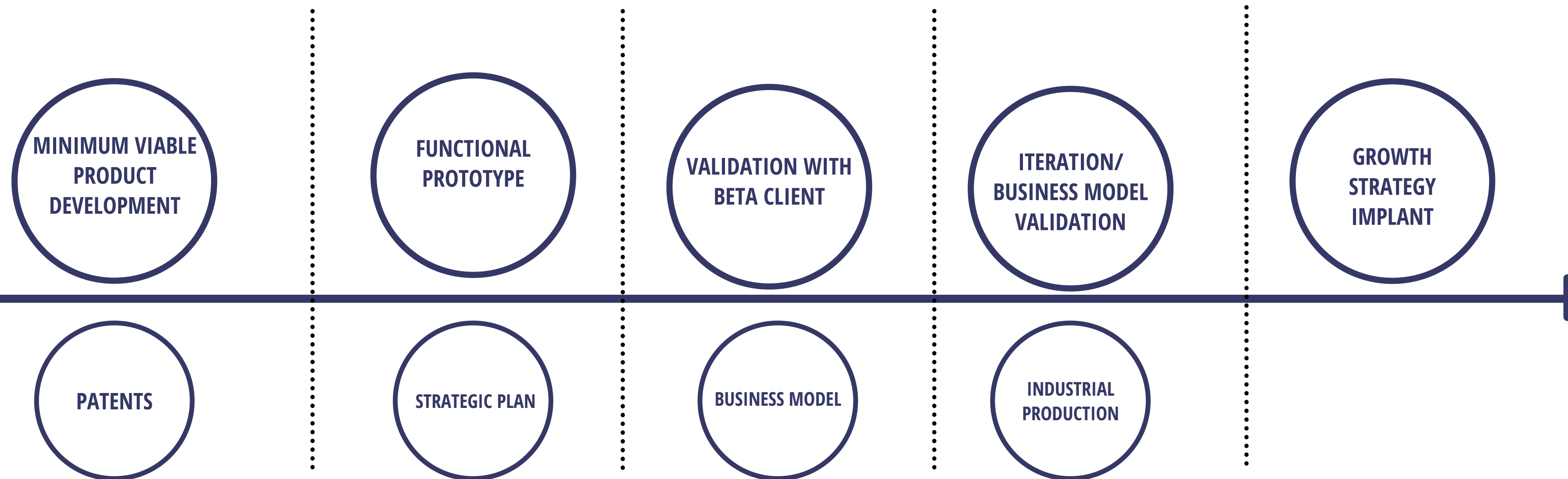
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NEXT STEPS



ALWAYS R+D, ALL WAYS SURPRISING



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