User Need

Wali addresses a variety of needs:

Hassle-free passage

Adults can easily walk through, even if their hands are full.

Outstanding safety features

The construction is durable, the lock is reliable, and the controls are child-proof.

Aesthetic appeal

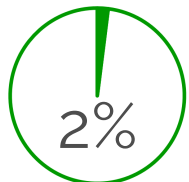The gate enhances the image of the home with its clean and modern look.

Market

Modern parents

$210M

Baby gate market

2%

Market penetration

3.5 yr

Breakeven point

Thank You

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Wali

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2.009 Product Engineering Processes
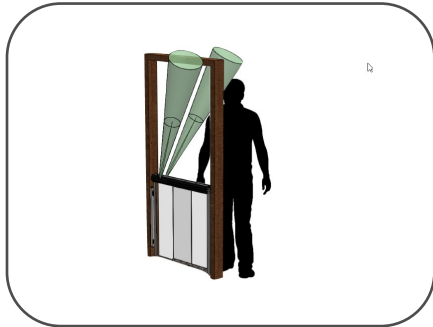
Massachusetts Institute of Technology

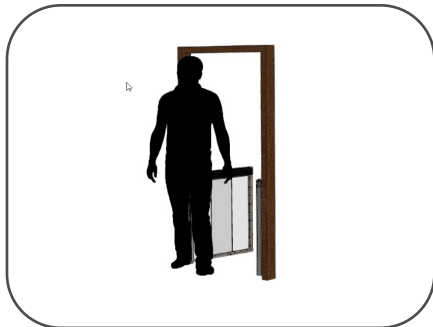# Wali

MIT 2.009 Green Team

Using Wali

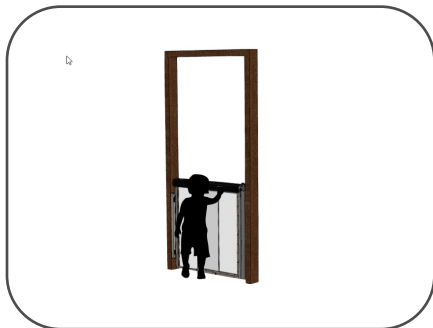### Easy, intuitive passage for adults

Wali detects when an adult approaches

Adult taps force sensor with hand, hip, or knee to unlock the gate

Sturdy guardian for children

Wali does not unlock for a child

Product Features

LED Indicator
LEDs along top of gate indicate when Wali is awake and ready to be unlocked.
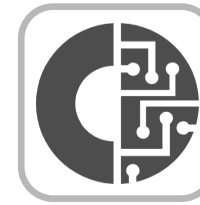
Adult Detection
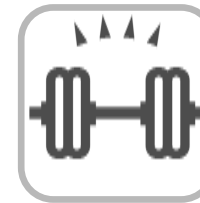Ultrasonic sensor allows Wali to distinguish between adults and children.

Unlocking Mechanism
Solenoid drives self-actuated unlocking mechanism.

Sleek Aesthetic
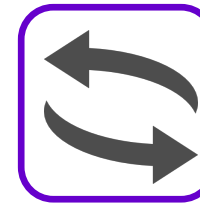Modern look reflects its intuitive technical interface.

Strength
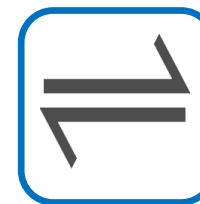Wali can withstand up to 700 newtons of force.

Hinge Biasing
Hinge design returns gate to closed and locked position after use.

Manual Override
Squeeze & push override guarantees safety even in the absence of electrical power.

Adjustable Width
Gate fits in all doorframes between 28 and 36 inches wide.