Fraido

Faster access. Fewer tools.

Minimal diameter.

Our Mission

To set a new standard for **invasive access**.

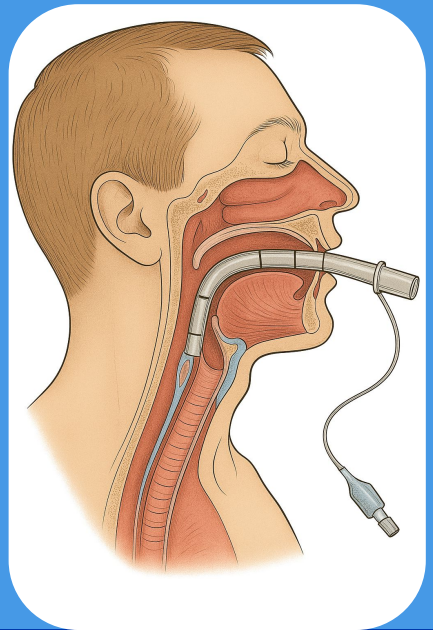
- **Less** tools
- **Faster** procedures
- **Tailored** adjustments

Our Index

During intubation you must be quick.

Now, you can **take your time**.

The Problem



Endotracheal Intubation is a milestone in the history of airway management [...]. Endotracheal tubes have changed airway management significantly, ensuring safety and stability.

Ubaradka, Raveendra Shankaranarayana, et al., editors. The Airway Manual: Practical Approach to Airway Management. Springer, 2023.

When a patient cannot breathe on their own, endotracheal intubation becomes essential — yet current tools make the procedure challenging, especially in urgent or complex cases.

The Problem

The impact of difficult intubations is significant.

x14 | The odds ratio of complications if an intubation requires 4 attempts.

47% | The percentage of patients intubated at the second attempt that encounter adverse events.

890 M USD | The cost associated to failed first attempt intubation annually in the US.

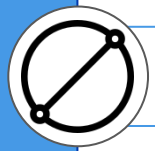
84% | The current first pass success rate in Emergency in the US.

The Problem

The issues and limitations of the procedure are **caused by**:

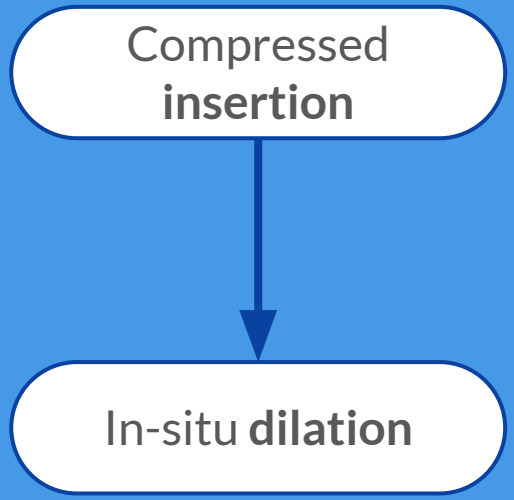
The number of **tools and steps** in the procedure

The **traumatic** nature of the insertion process



The constant trade-off between the **diameter** at insertion and during ventilation

Our Solution



Fraido has **patented** a mechanism enabling continuous **regulation of the endotracheal tube diameter**.

This allows an endotracheal tube to act as the introducer and expand once in place, reducing time-to-intubation, attempts, and trauma.

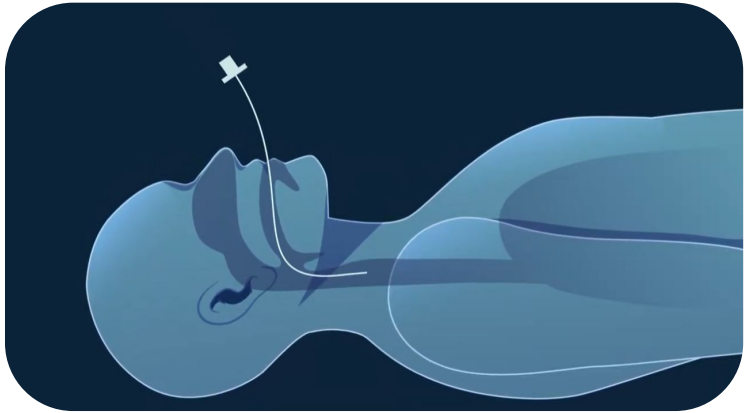
Diameter control also introduces the possibility to perform safe-extubation, a process which is not possible with the devices currently present on the market.

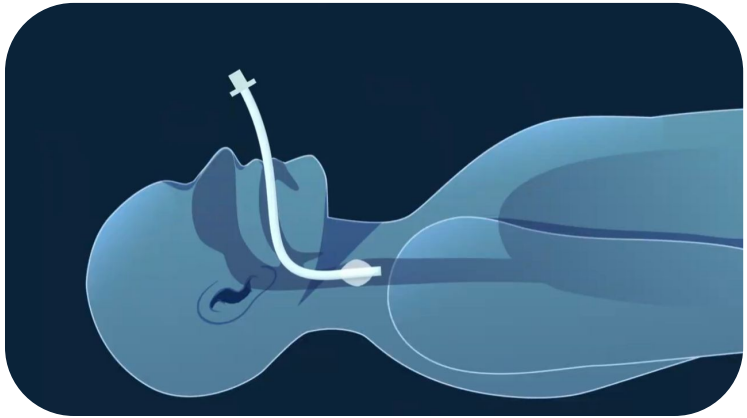
Our Solution

Compressed **insertion**

↓

In-situ **dilation**





Our Solution

The advantages of modulable diameter endotracheal tube are significant.

- **Difficult intubation** with a **single device**
- **Atraumatic** insertion
- In-use diameter regulation
- Protected extubation

Our Market

TAM

Global Endotracheal Tube Market valued above **2 billion USD**.
CAGR 6%. [1]

SAM

6.4 M Difficult and Emergency intubations yearly in Europe and North America. [2]
Amounting to **161.3 M USD**.

SOM

242 K devices sold after 5 years on the market.
6 M USD in sales in **2035**.

Our Users

We have collected the opinions of the Anesthetists, those who will actually use our device.

How does intubation make you feel?

Intubation is a **stressful** and **demanding** procedure — it's hard to stay steady when you know someone's life depends on every move.

What's the most challenging part of intubation?

It takes an incredible **mental toll** to choose the **right device**, place it correctly, and do it all in seconds.

Where do you think we would help the most?

It would make the biggest difference in **out-of-hospital** emergencies. You never know what you'll encounter, and you don't get a second chance.

"I can not believe this is possible but, if you make it, I want it."

Our Potential

Device's dimension during **invasive accesses** is not relevant for endotracheal intubation only.

We are not revolutionizing a device.
We are changing the way invasive accesses are performed.

Airways

Selective Lung Intubation
Tracheostomy

Vascular

Catheter Sheath
Vascular Access

Drainage

Abdominal
Thoracic
Urethral Catheter

Our Timeline

Foundation

July 2025 – Patent Deposition and Foundation

Pre-Clinical Prototyping

Nov. 2025 – Jan. 2026 – € 300K **SAFE Round**

Feb. 2026 – Kick-Off Pre-Clinical Prototyping

Jun. 2026 – **PCT** Extension

Oct. 2026 – Mannequins & Ex-Vivo Testing – **TRL 5**

Our Timeline

Design for Manufacturing

Jan. 2027 — € 1.2M **Seed Round**

Feb. 2027 — Kick-Off Design for Manufacturing

Dec. 2027 — **TRL 7**

MDR Certification

April 2029 — € 2.5M **Series-A Round**

June 2029 –Nov. 2030 — Clinical Trials

Go-to Market

2031 — Fraido enters the market

Our Advisors

Roberto Righetti & Marco Garroni

Anesthetists – Airway Management Instructors

Giacomo Bellani

Trento Hospital – Head of ITU

Stefano Bonvini

Trento Hospital – Head of Vascular Surgery

Michael Turconi

Nato Medic of the year 2017 – Silver Cross
Nato Combat Medic Instructor

Our Team

Antonio Maria Vizioli – CEO

Worked as a Nurse in England and throughout Italy.
5 years of experience in Emergency Departments.
He could strike up a conversation with a door knob, and he will definitely end up pitching to it.

Elia Fregonese – CTO

Master Degree in Materials Engineering and Nanotechnology from Politecnico of Milan.
4 years as Thermo-Mechanical System Engineer.
Painstakingly attached to details and precision, the wrong person to hang a picture with.