

# Ocean Waves to Fresh Water

**We Are All Innovators**

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# Problem

**Shortage of fresh water**

*Agri-irrigation*



*Drinking*



*Sanitation*



# Early-Stage Innovation

- **Ideation: serendipity, Gazing out from the window.**
- **Concept Development: paper prototype**
- **Physical prototype: tinkering, lean concept.**
- **Testing: in real life.**
- **Intellectual Property Registration.**
- **Finding and Securing financial resources.**



# Why Innovators In

- ❖ **Passion & desire to identify & address existing challenges.**
- ❖ **Create new opportunities; including financial gains.**
- ❖ **and curiosity, they have an inherent drive to explore & experiment.**
- ❖ **Gaining a competitive advantage.**
- ❖ **Impact, legacy, pride, personal fulfillment & self- actualization .**
- ❖ **Motivated by the desire to leave a lasting impact and create a meaningful.**
- ❖ **Aspire to be remembered for their lasting impact contributions, innovations, and the positive changes they have made.**

# Across the Street Banners



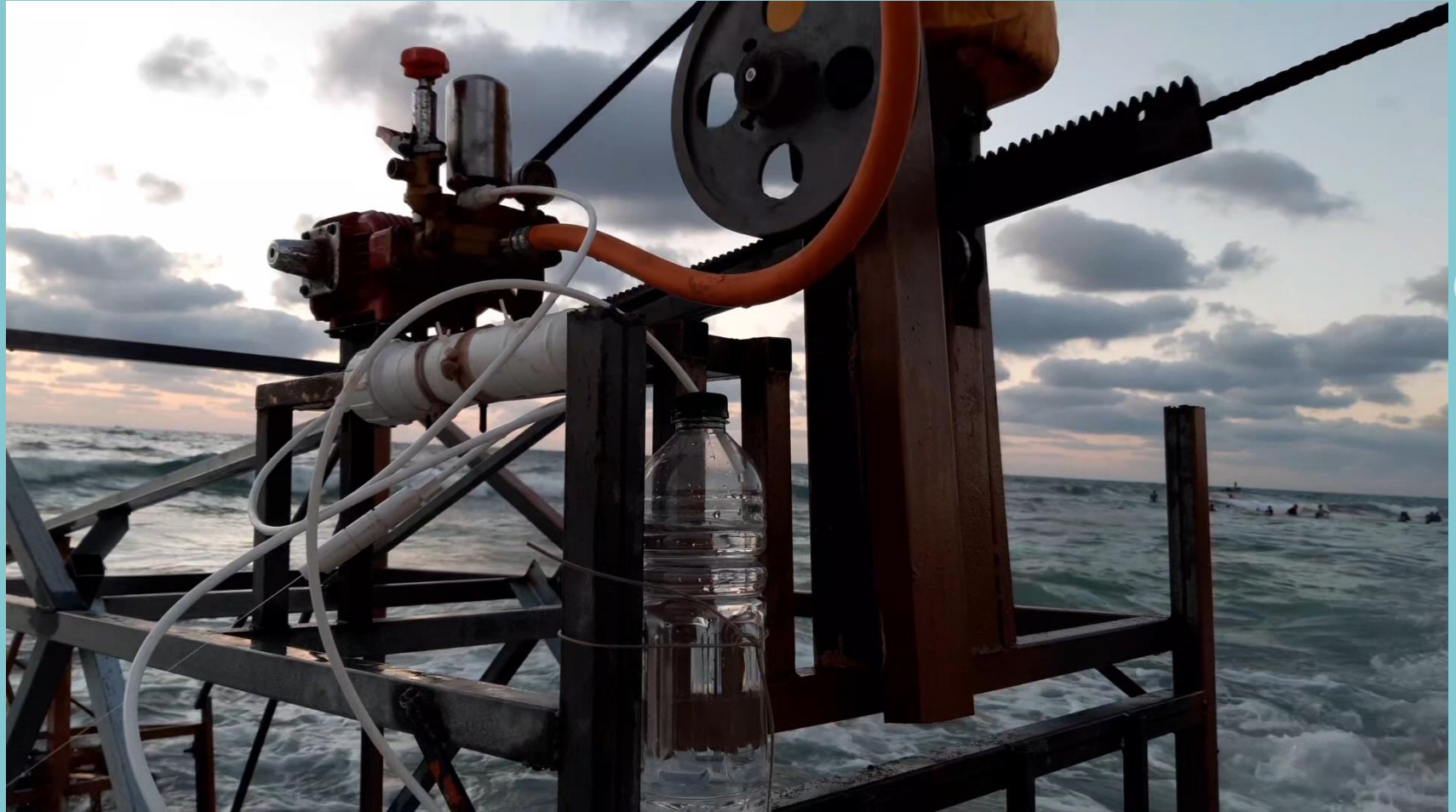
**Video:** [https://drive.google.com/file/d/1BdGDIO30Pu9-NMcKN4nidR355kkUg7Gw/view?usp=drive\\_link](https://drive.google.com/file/d/1BdGDIO30Pu9-NMcKN4nidR355kkUg7Gw/view?usp=drive_link)

# Solution, (Mechanics)

**Video:**

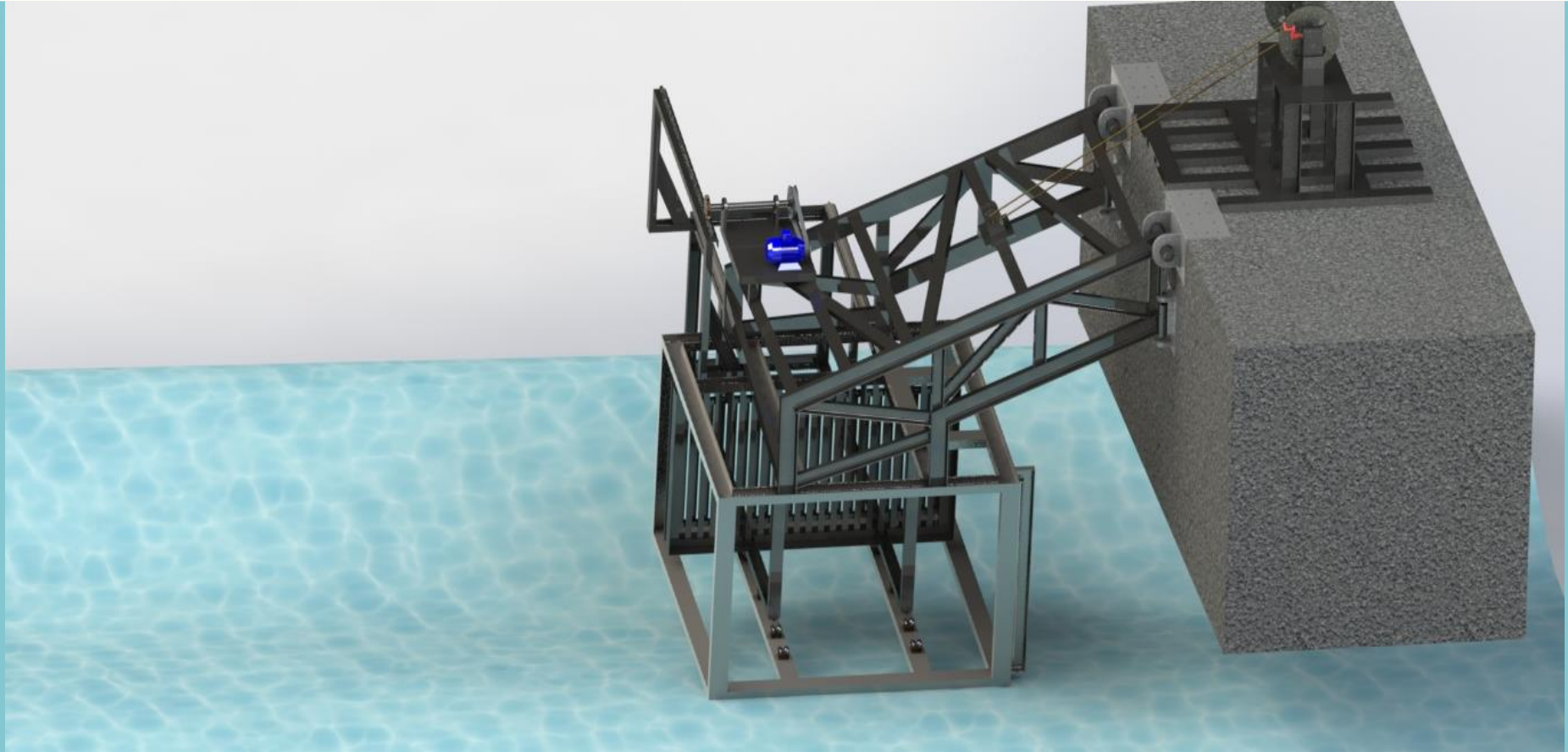
[https://drive.google.com/file/d/10Pu8eat88xjp9FWzvEo4ZJspJzaSiV30/view?usp=drive\\_link](https://drive.google.com/file/d/10Pu8eat88xjp9FWzvEo4ZJspJzaSiV30/view?usp=drive_link)

# Solution (Desalination of sea water)

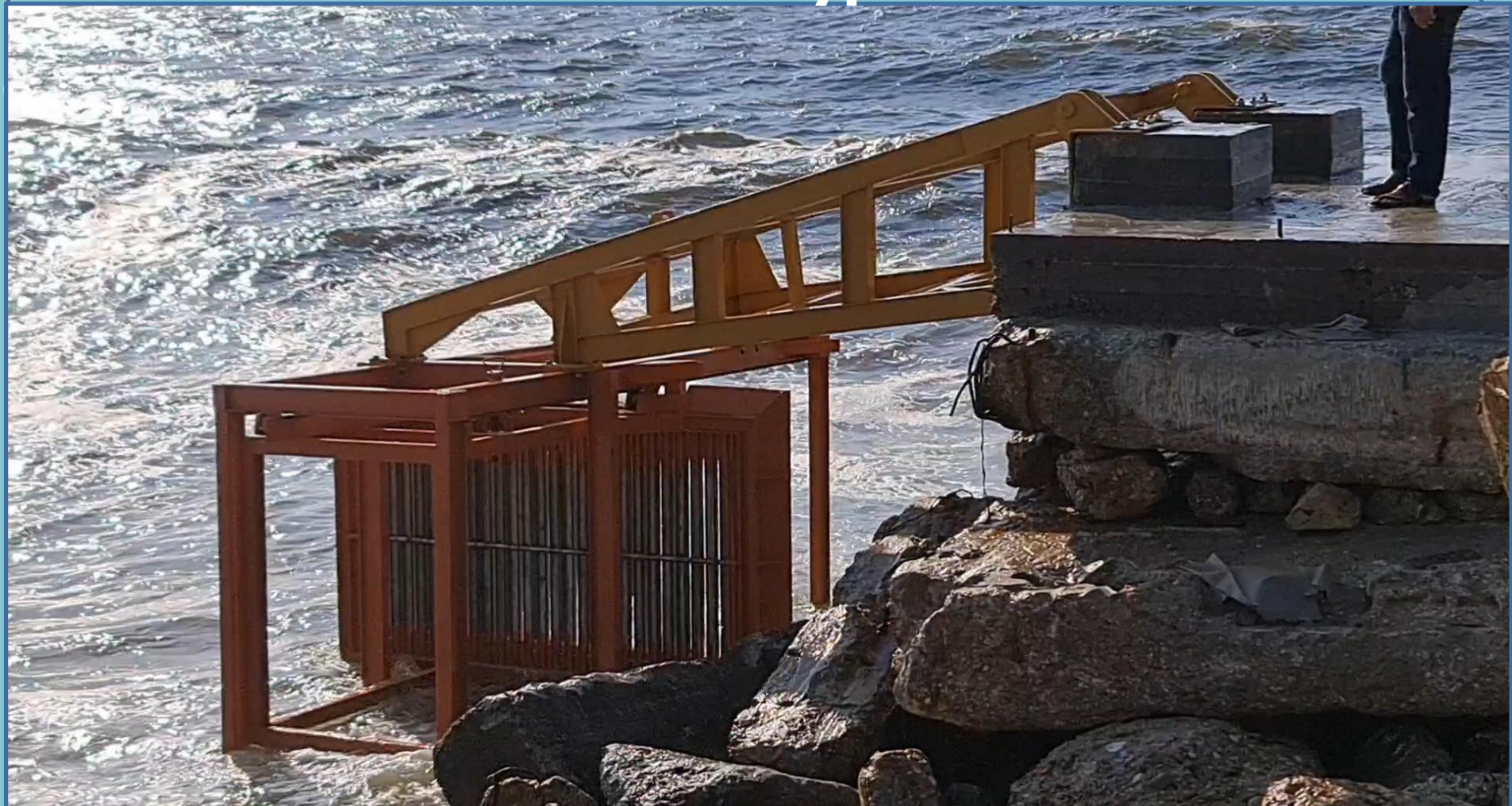




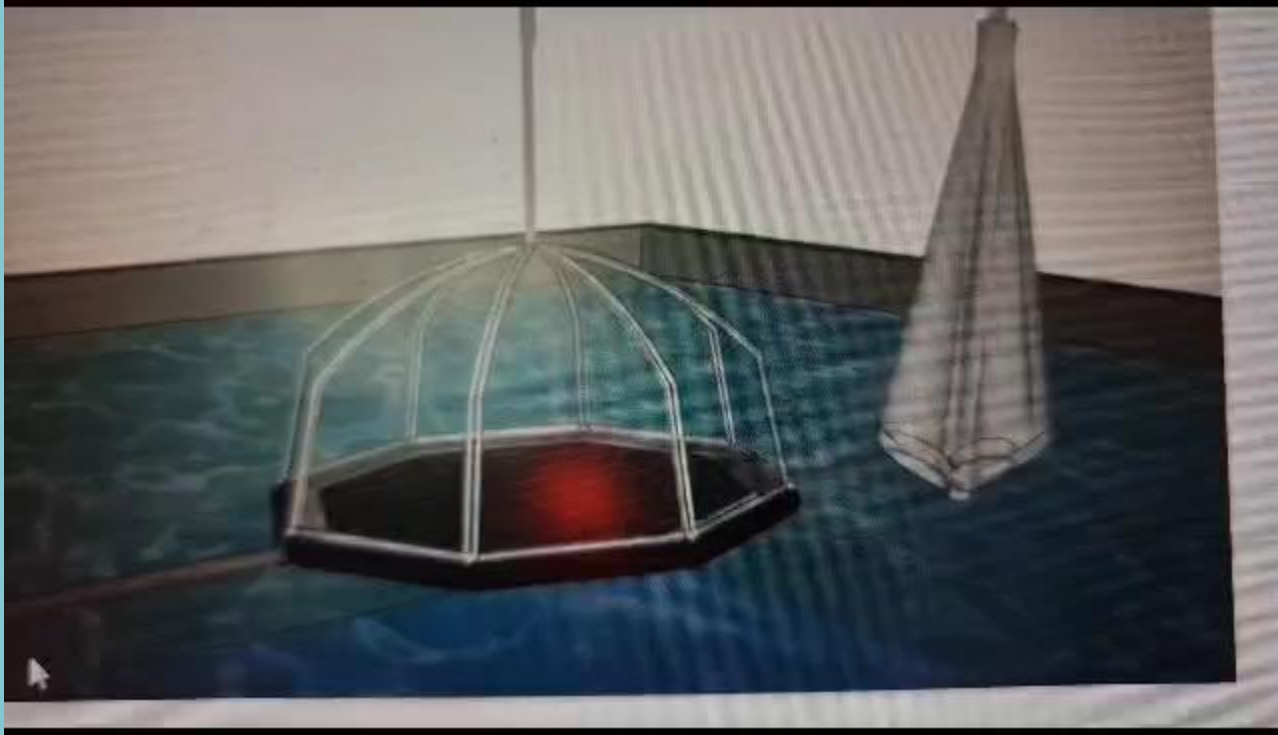
# Solid work design



# 3rd Prototype



# Example of innovative Idea



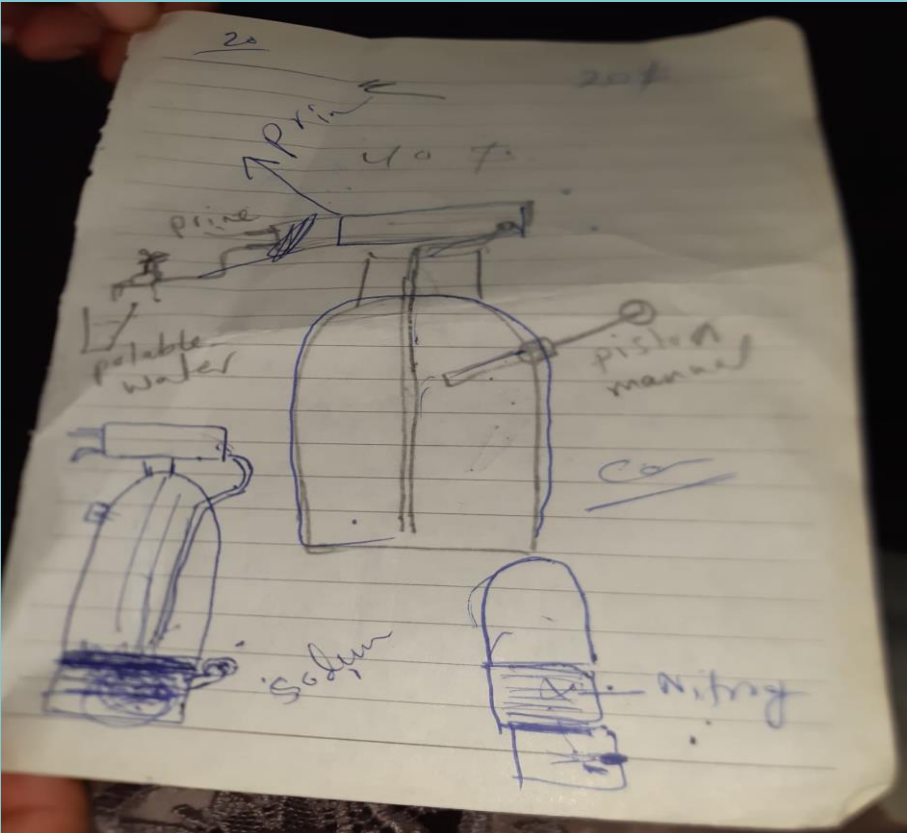
# Desalination of brackish water on LPG pressure



# Deslination of brackish and seawater



# Deslination of brackish and seawater





# Challenges the innovator might encounter

- Lack of resources.
- limited access to funding, equipment
- technology, or skilled personnel required to develop and test their ideas.
- This scarcity of resources can hinder the development and prototyping process.
- Intellectual property protection. Loss of right, and delay in implementation.
- Resistance to change the innovation is anticipated to disrupt so stakeholders prefer the status quo. Example on this at the level of local incubators as their first reaction would be: Have you copied it from the internet, and they comment ooh we saw it was introduced by someone??, someone have told me about such alike idea,, are you sure that this is your idea,,,, what is your background, how come that you innovate.
- Loss of passion.
- Implication of the implementation by the mentors who could lead stop and delay of progress ( lean startup concept)