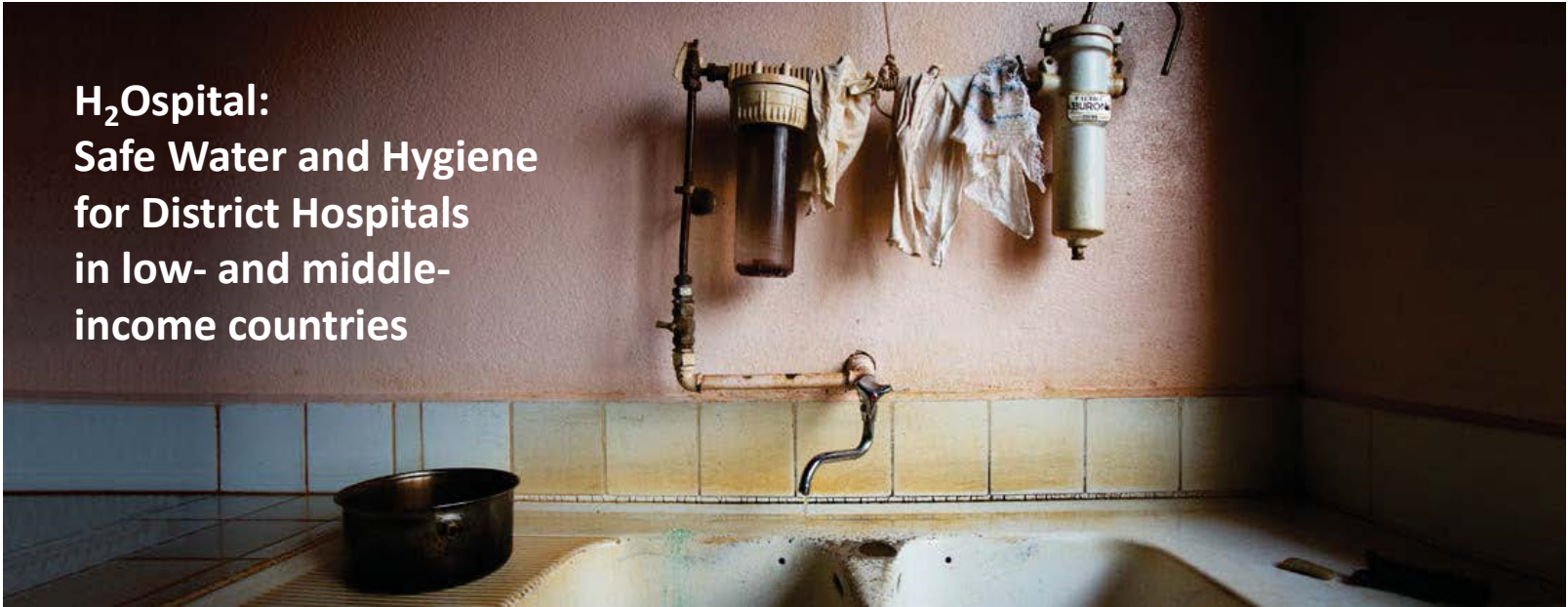




EssentialTech

Reducing poverty through essential technologies

**H₂Ospital:
Safe Water and Hygiene
for District Hospitals
in low- and middle-
income countries**



Nicolas Ducraux - Project Manager
Cooperation and Development Center

essentialtech.epfl.ch



H₂Ospital: An alliance of partners





Project goal: to develop a solution + deployment model to achieve **safe and reliable water supply and hygiene** in district hospitals

Project health benefits

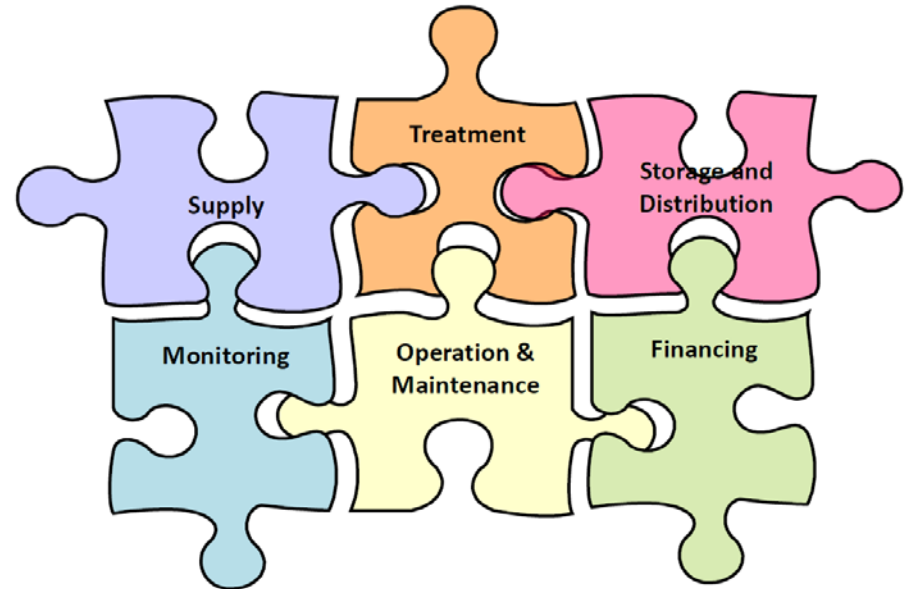
- reduce hospital acquired infections
- Reduce waterborne diseases
- Improve safety and dignity
- Reinforce primary healthcare

Other project benefits

- Local competency centers
- Value chain experience



Technology → Modular Approach



Project outcomes

1. Safe water and hygiene system
2. Management model
3. Deployment/business model



Global intent

2 Pilots (Mekong area and West Africa)

WEST AFRICA

Burkina Faso
Mali
Ivory Coast



MEKONG AREA

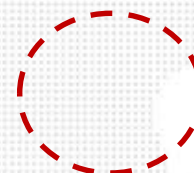
Vietnam
Laos

India



EAST AFRICA

Tanzania
Uganda





PHASE 1: DEVELOPMENT

- 1 year
 - 2016. Extensive assessments:
 - Existing infrastructure
 - User's WASH needs
 - Enabling environment for deployment model
- 1.5 year
 - Mid-2017. Development of system and business model
 - Review existing options
 - Prototype system and management model
 - Deployment/business models
 - Tests in pilot hospitals
- End-2018. Refined system, management & business model

PHASE 2: 2019-2020 DEPLOYMENT AT SCALE, HAND OVER

A look into 2019-2020

→ We are looking for funding





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BACK UP SLIDES

