

Disclaimer

Information regarding potential product is only intend to outline general product concept and direction. The information mentioned is not a commitment, promise or legal obligation

The future development, release, and timings are indicative in nature and are subject to change at our sole discretion



July 2021



Clean water and sanitation: A global crisis

According to the World Health Organization,

2.2
billion

people around the world do not have safely managed drinking water services.

4.2
billion

people do not have safely managed sanitation services.

3
billion

people lack basic handwashing facilities. These services are critical in preventing the spread of COVID-19 and other diseases.



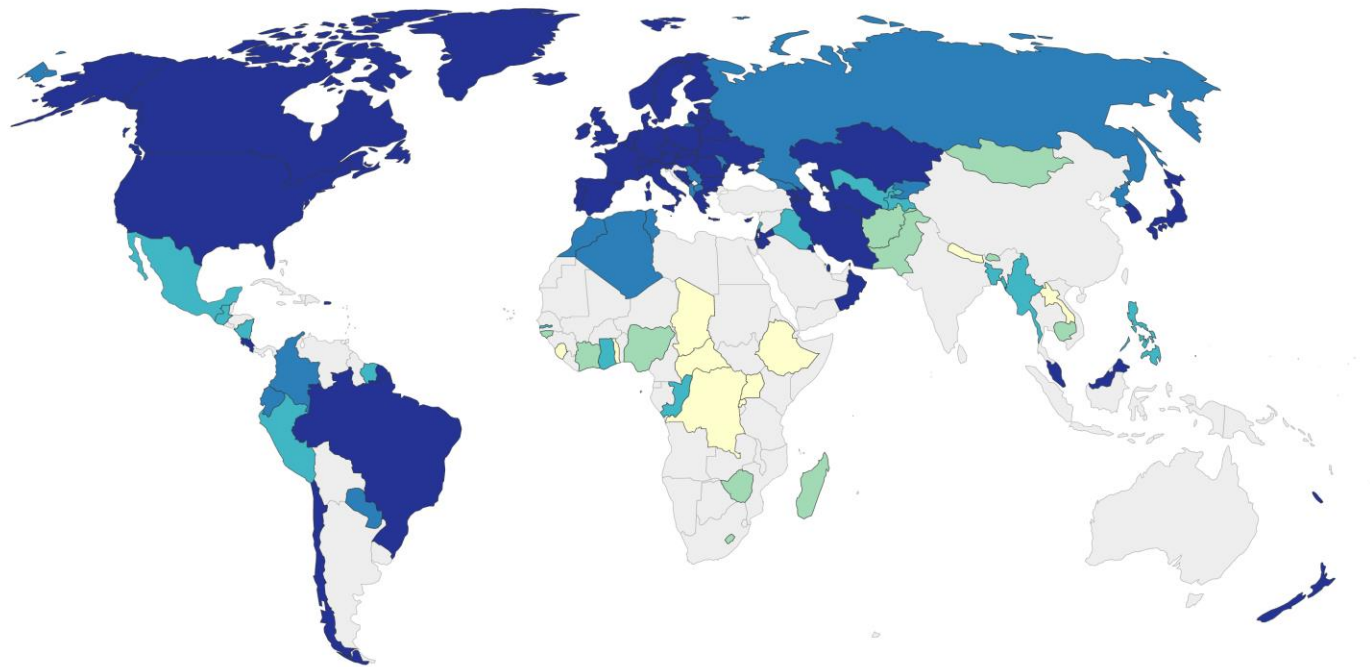


Coverage of safely managed drinking water

Share of the population with access to safely managed drinking water

Safely managed drinking water is water from an improved water source which is located on premises, available when needed and free from contamination.

Our World
in Data



785 million people lack even a basic drinking-water service, including 144 million people who are dependent on surface water.

6% of deaths in low-income countries are the result of unsafe water sources.

Globally, at least 2 billion people use a drinking water source contaminated with feces.

In least developed countries, 22% of health care facilities have no water service, 21% no sanitation service, and 22% no waste management service.



India's case study: The problem areas we focused on



Sporadic and scattered location of water resources



Lack of information and awareness about water resources



Stress on just a few known water bodies



Contaminated water resource

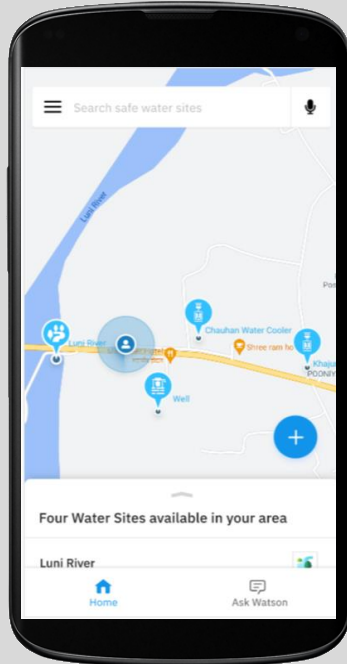


Our solution: Blue Safe

The solution advocates adopting sustainable technologies to enhance access to safe drinking water for rural communities and forestall the spread of waterborne diseases.

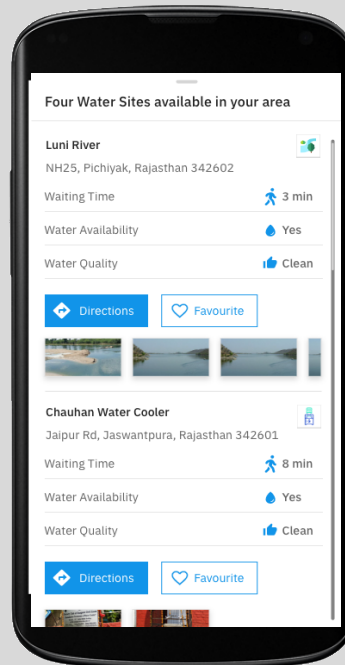
Search

Highlight nearby water locations and the distance to those locations



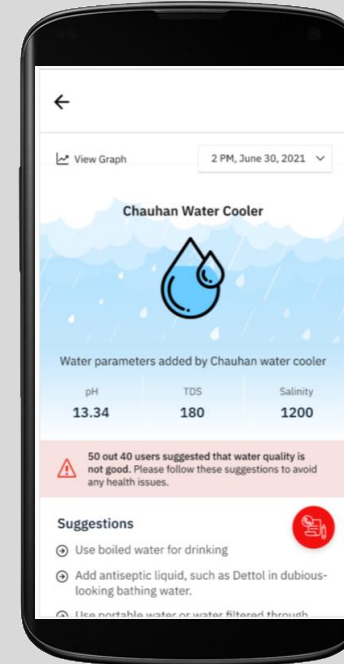
Availability

Check the availability and reduce stress on existing resources



Water Quality

Indicate whether water is safe for consumption, based on safety parameters.



Authorities

With the help of local authorities like Gram panchayat, smart gram, and other local influencers we can spread the information about availability of different sources of water.



ग्रामपंचायत

Explore Blue Safe use case

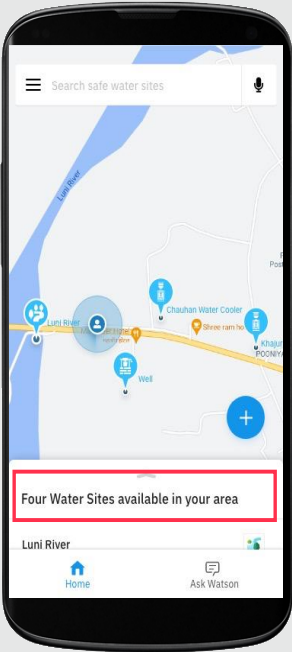


Earlier

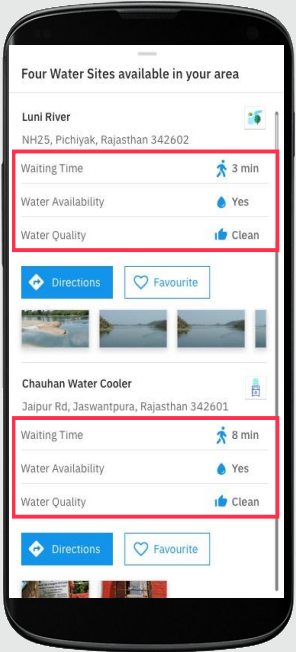


Water Availability, Long Queue?

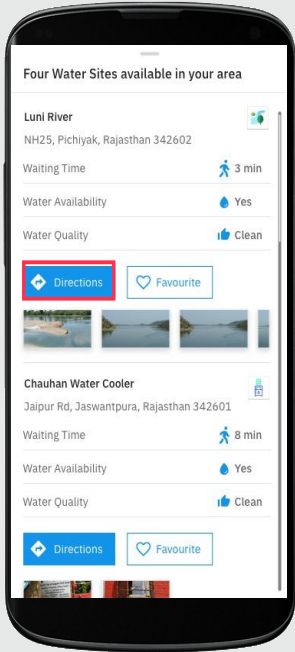
With Blue Safe



Step 1 - Based on your mobile current location app searches all nearby water sites



Step 2 - User has option to view waiting time, availability and water quality



Step 3 - Based on the parameters, users chooses their desired water site

Find your confirm Water Availability place, Avoid Queue...



Blue Safe – Features

Accessing Safe Water

- Add Water Site
- Search nearest water site
- Navigate to water site
- Add/Remove Favourite
- Edit or update the water site list

Water Quality

- Add Water Quality
- Find your current water quality
- Report issue for bad quality water
- Track Water quality requests

Water Usage, Efficiency, & Supply

- List of water supply agencies
- Current water usage
- Track water supply
- Request water tanks or extra supply
- Support local authorities with water usage reports and improve water supply

Intelligence

- Powered by IBM Watson (Bot)
- Using AI and ML for automating water quality
- Using Weather forecast and suggest rainwater storage
- Analysis and Investigation





Hills – Who, What, and the Wow

1. Rural/Urban user can, search and navigate on the mobile app in one step will have the location of clean and safe water site.
2. Government/Private authority or Rural/Urban user can, add new site with images and videos for other users.
3. Rural/Urban user can, check the water quality, and raise a request to authorities if it is not meeting the standards.
4. Government/Private water suppliers can, advertise their water tank supply, and generate non-monetary/monetary benefits.



Blue Safe – Feature Road Map

Phase 1

Access to Safe Water

- Add Water Site
- Search nearest water site
- Navigate to water site
- Add/Remove Favourite
- Edit or update the water site list

Quality

- Add Water Quality
- Find your current water quality
- Report issue for bad quality water

Usage, Efficiency, & Supply

- Show water usage data
- Water supply and efficiency suggestion

Intelligence

- Powered by IBM Watson (Bot)
- Using AI and ML for automating water quality
- Using Weather forecast and suggest rainwater storage

Phase 3

Access to Safe Water

- Add Water Site
- Search nearest water site
- Navigate to water site
- Add/Remove Favourite
- Edit or update the water site list

Quality

- Add Water Site
- Search nearest water site
- Navigate to water site
- Add/Remove Favourite
- Edit or update the water site list

Usage, Efficiency, & Supply

- Add Water Site
- Search nearest water site
- Navigate to water site
- Add/Remove Favourite

Intelligence

- Add Water Site
- Search nearest water site
- Navigate to water site
- Add/Remove Favourite

Call for Code

Challenge Submission

Blue Safe



Blue Safe

Blue Safe

Phase 2

Access to Safe Water

- Show Realtime water availability

Quality

- Show real-time data of water quality
- Raise a request to respective water authority
- Track complain request

Usage, Efficiency, & Supply

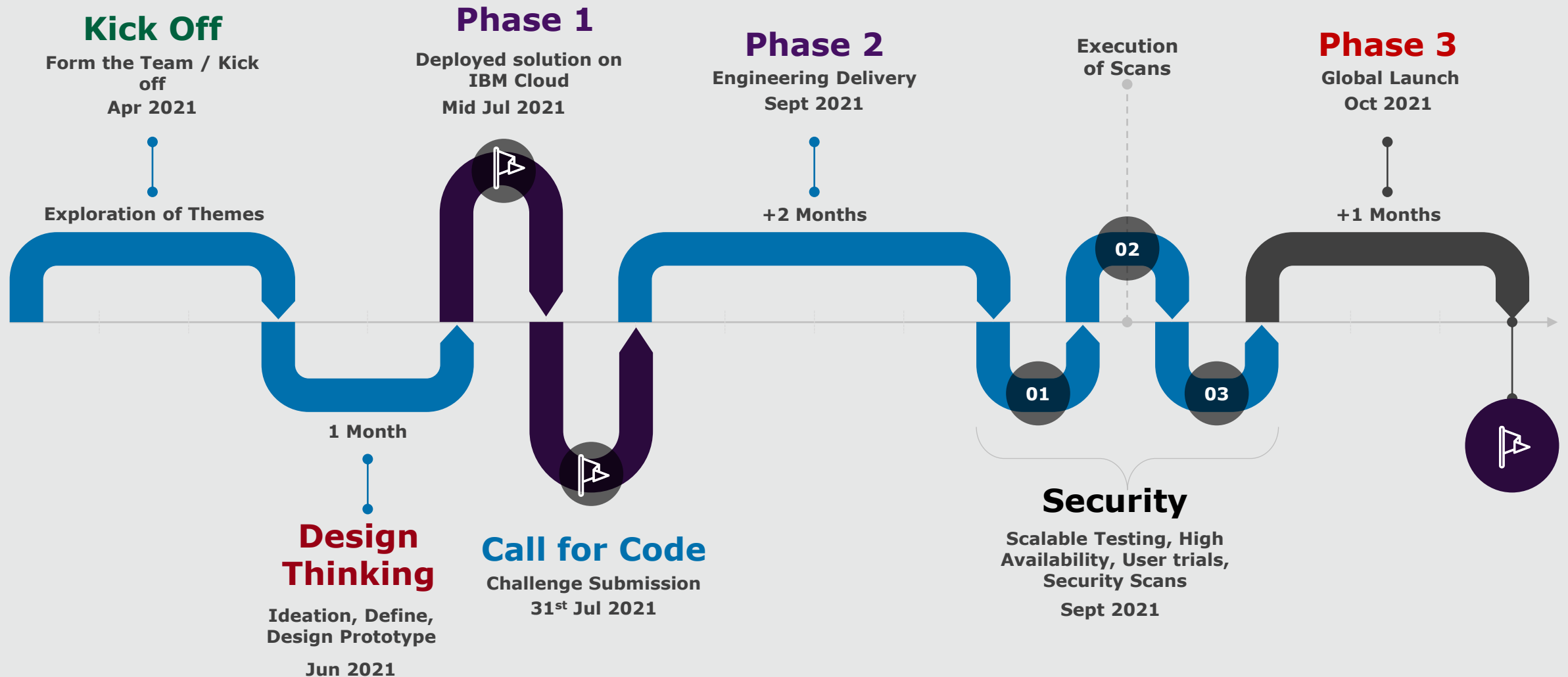
- Show water usage as per locality
- Suggest better water efficiency

Intelligence

- Rewards for encouraging suggestions
- Monetisation



Blue Safe – Complete Road Map





About Capgemini

Capgemini is a global leader in partnering with companies to transform and manage their business by harnessing the power of technology. The Group is guided everyday by its purpose of unleashing human energy through technology for an inclusive and sustainable future. It is a responsible and diverse organization of 270,000 team members in nearly 50 countries. With its strong 50 year heritage and deep industry expertise, Capgemini is trusted by its clients to address the entire breadth of their business needs, from strategy and design to operations, fuelled by the fast evolving and innovative world of cloud, data, AI, connectivity, software, digital engineering and platforms. The Group reported in 2020 global revenues of €16 billion.

Get the Future You Want | www.capgemini.com



This presentation contains information that may be privileged or confidential and is the property of the Capgemini Group.

Copyright © 2021 Capgemini. All rights reserved.