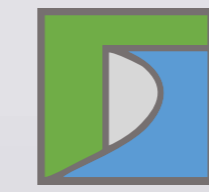
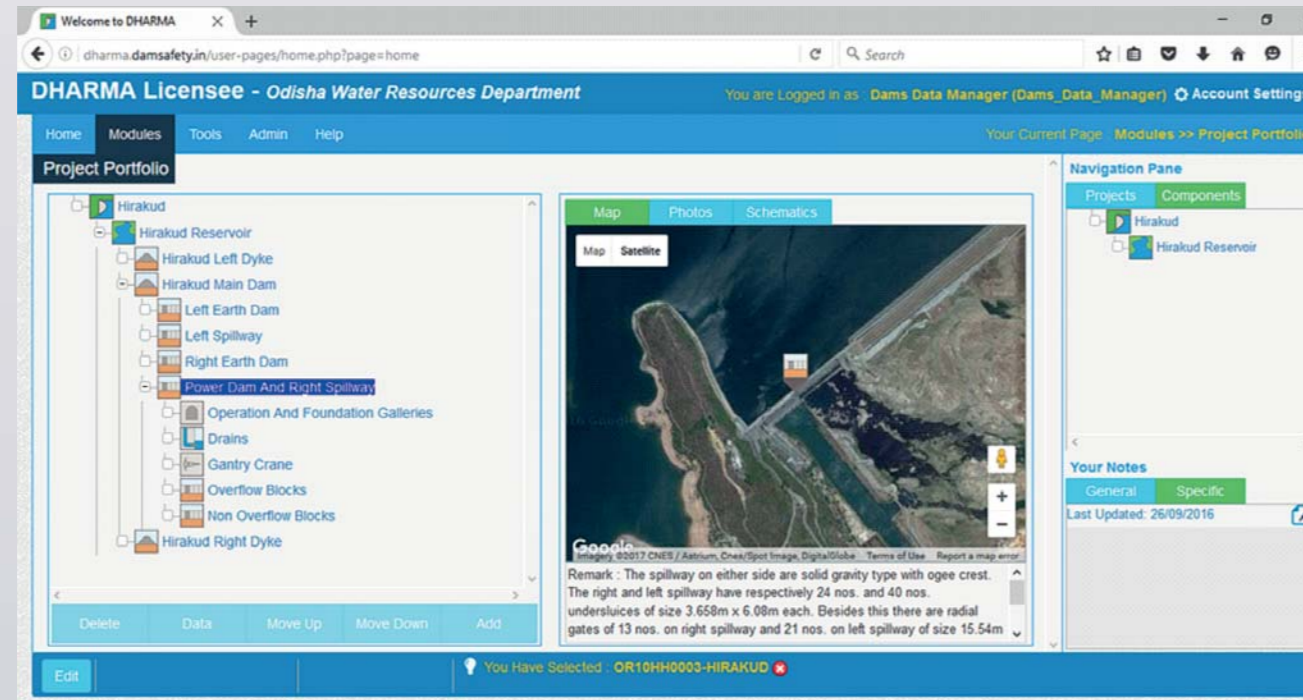


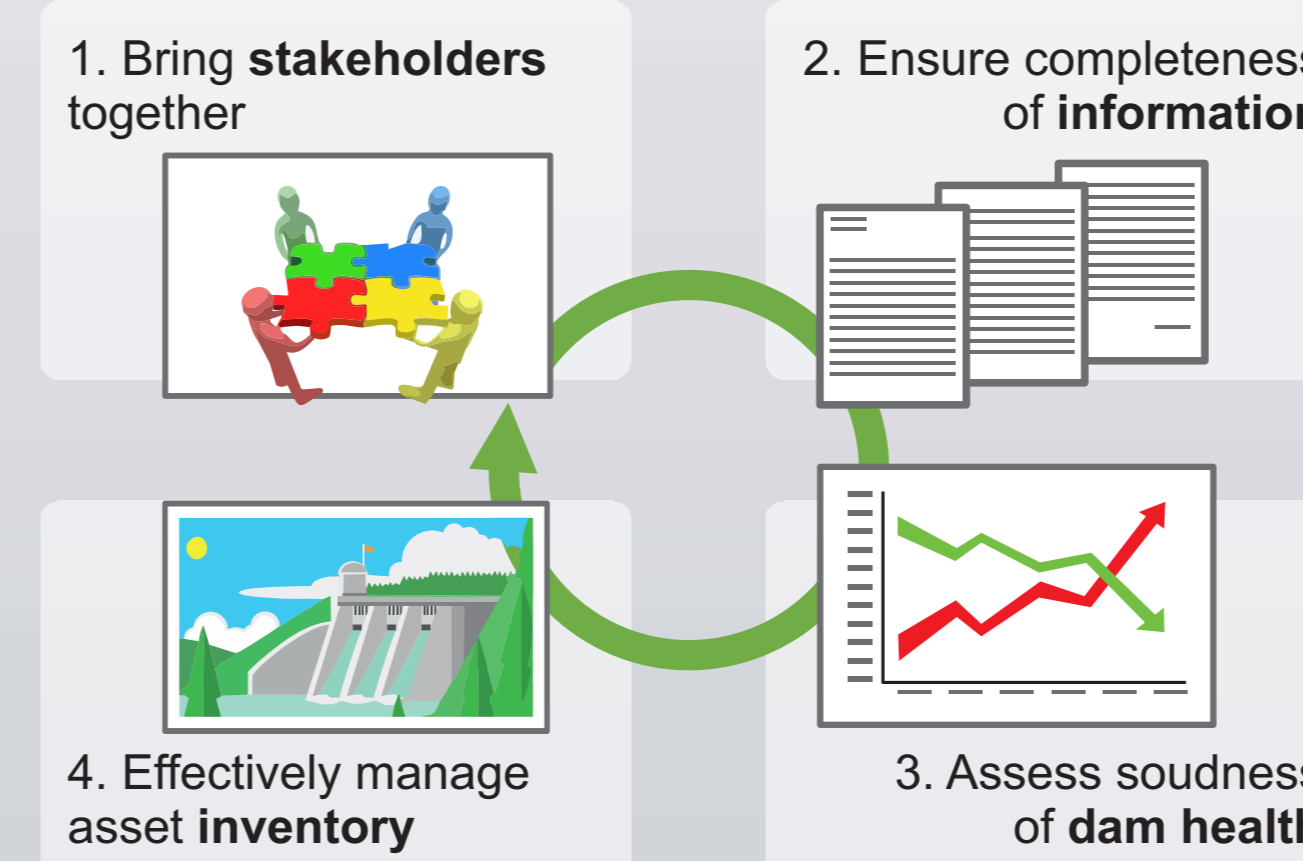
What is DHARMA?

DHARMA (Dam Health and Rehabilitation Monitoring Application) is a **web-based asset management software** to support the effective collection and management of asset and health data for all large dams in India.



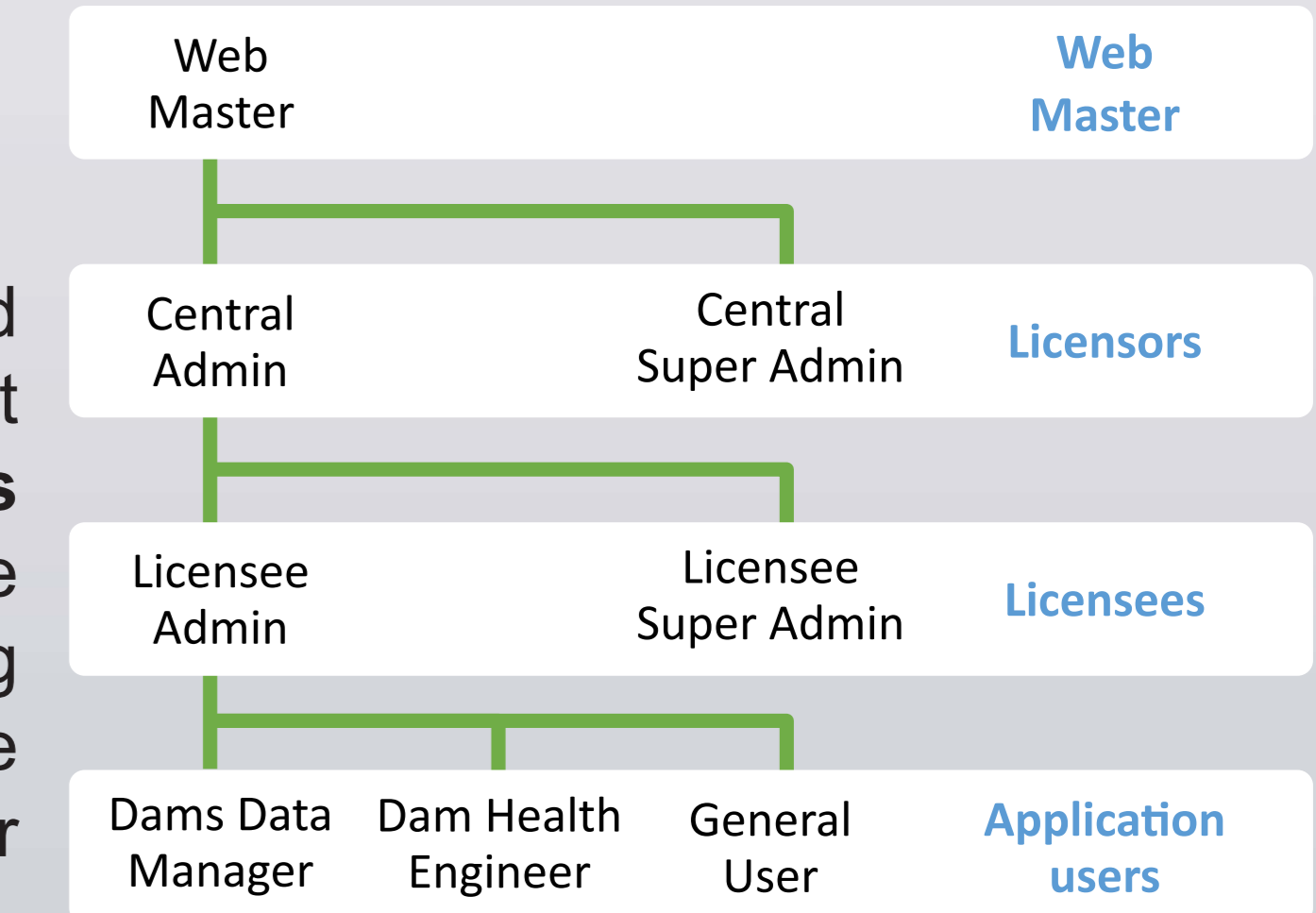
Why is it needed?

There are over 5,000 large dams in India, many of which are facing various structural deficiencies as well as **shortcomings in the operational and maintenance facilities**. DHARMA has been developed to address four main challenges:

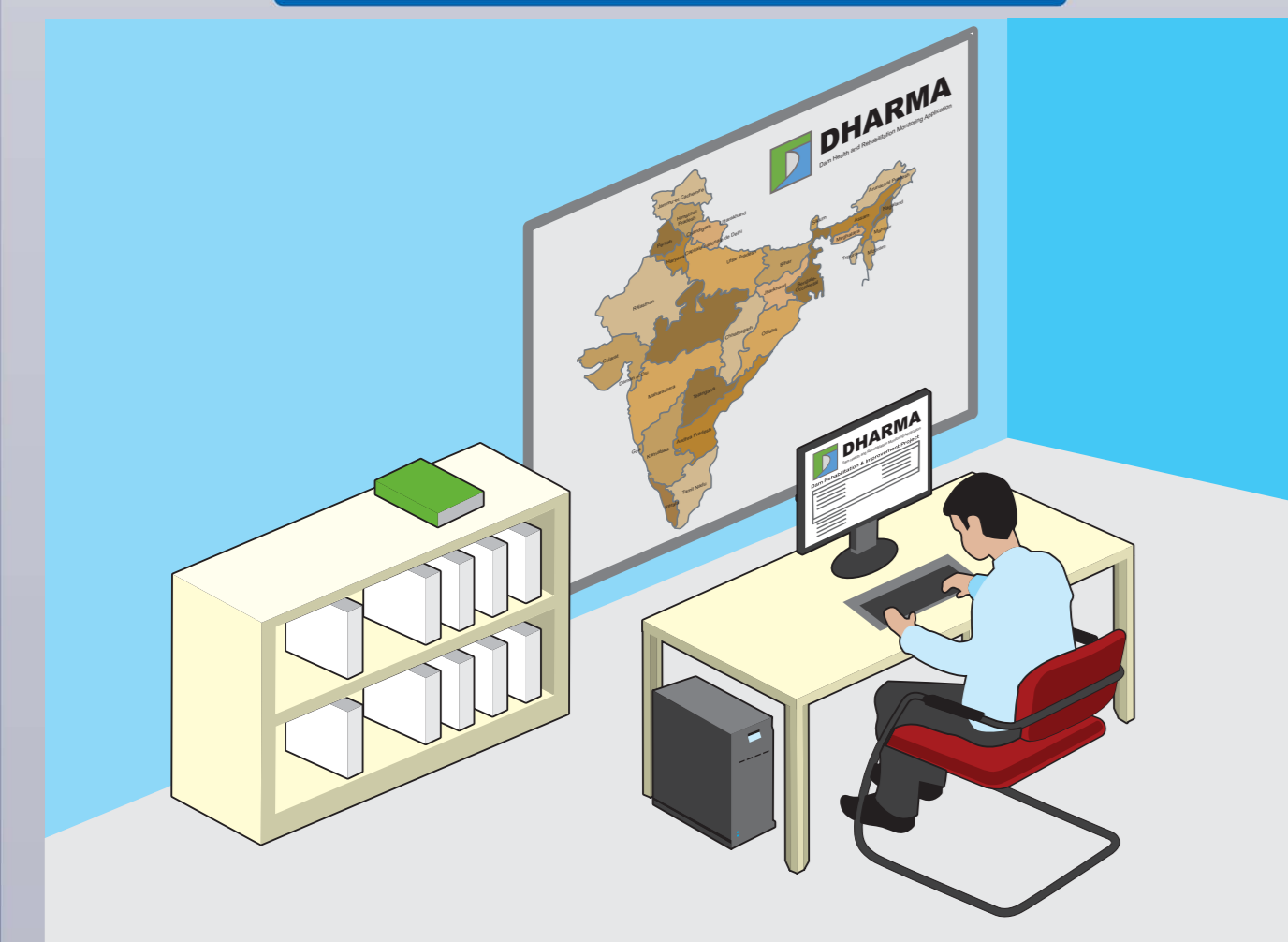


Who is it used by?

DHARMA is used by operational and management staff across the country. At the Dam level, **Dams Data Managers and Dam Health Engineers** are appointed by their dam-owning organisation (Licensee). Licences are granted by the Central Water Commission as Licensor.



National Register

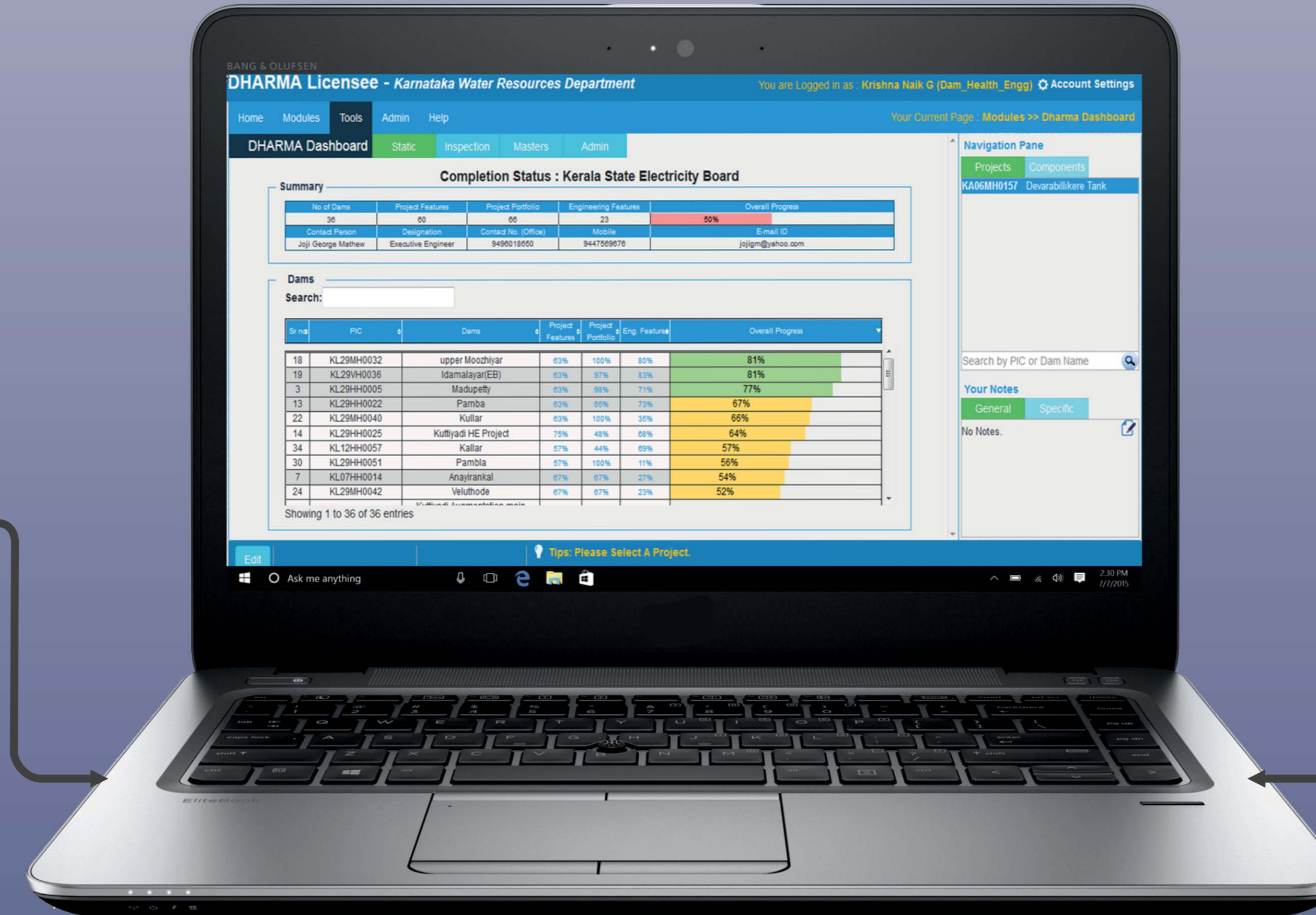


Project Description



Stakeholders Details

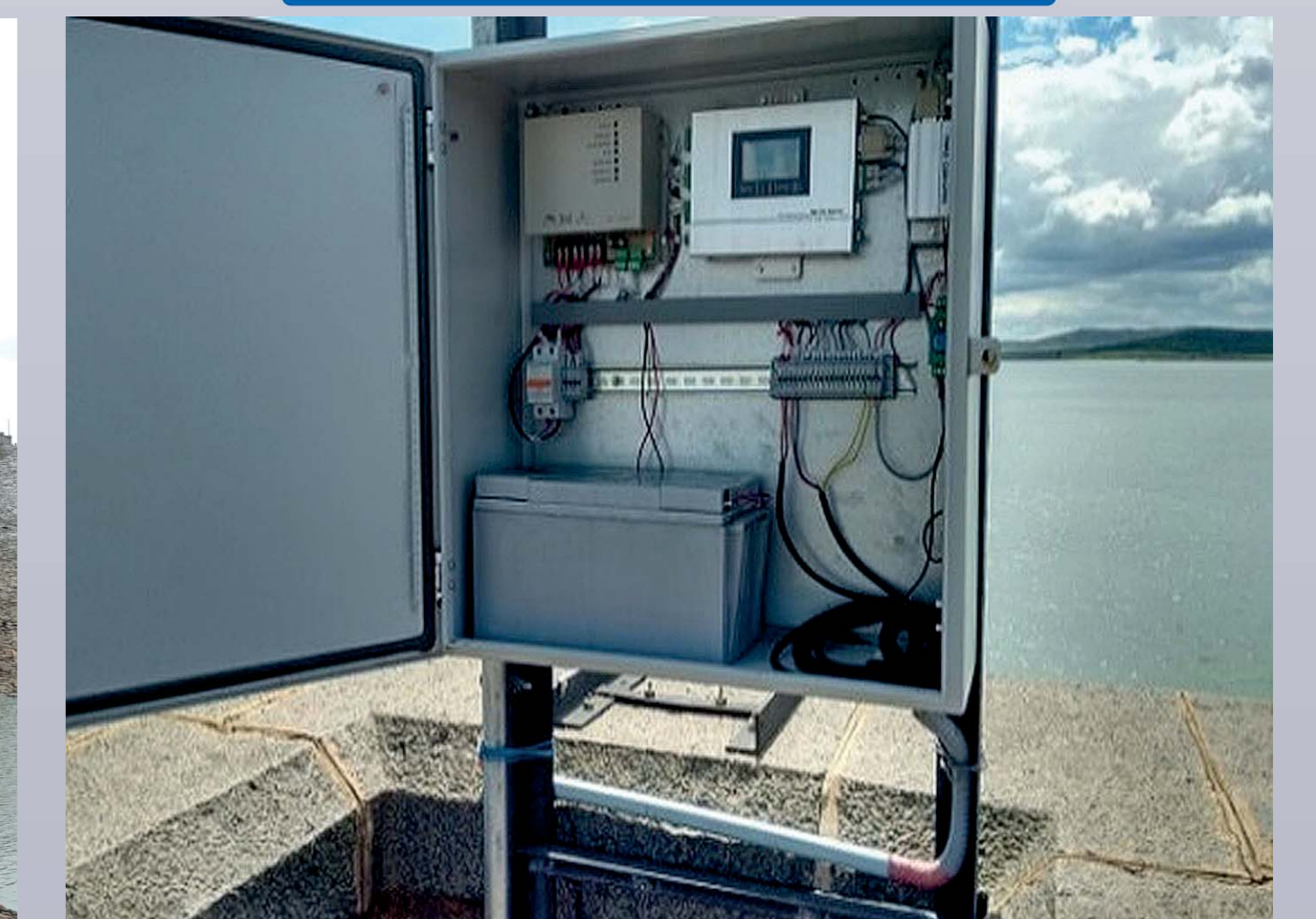
Document Library



Dam Safety Inspections

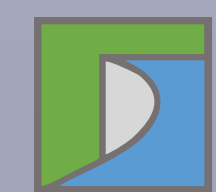
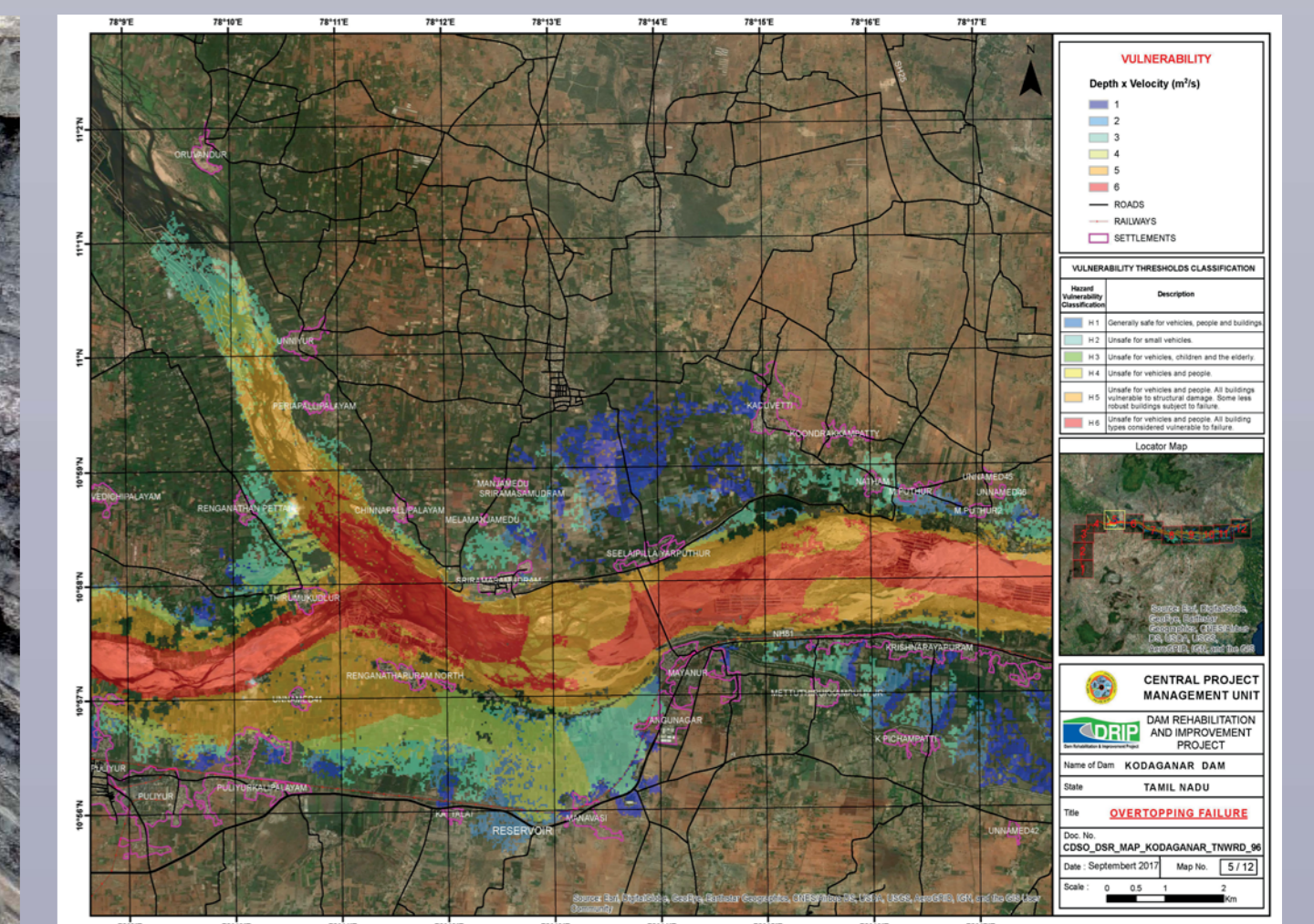


Dam Instrumentation



Dam Rehabilitation

Risk Analysis and EAP



Where is it used?

DHARMA is used at the **Dam, State and Central levels**. The software is being developed to be compatible on multiple devices including mobile phones, tablets and computers to facilitate data collection and management practices.



When is it launched?

DHARMA is being developed as part of the Dam Rehabilitation and Improvement Project (DRIP). The **seven modules of the software were launched throughout 2016-17** and remain under continuous improvement.

	Module	Launch	Event
1	Project Features	11 th May 2016	14 th World Bank Review Mission, Kochi, Kerala
2	Project Portfolio		
3	Engineering Features	1 st December 2016	16 th TCC Meeting, Kanyakumari, Tamil Nadu
4	Asset Health	30 th May 2017	17 th TCC Meeting, New Delhi, National Capital Region
5	Asset Rehabilitation		
6	Stakeholders	15 th September 2017	18 th Technical Committee Meeting, Bhopal, Madhya Pradesh
7	Document Library		



How many use it?

Once rolled out nationally, thousands of individuals are expected to use the software. To date, over 200 users have been trained under DRIP and 150 active users have uploaded data for 170 dams.

