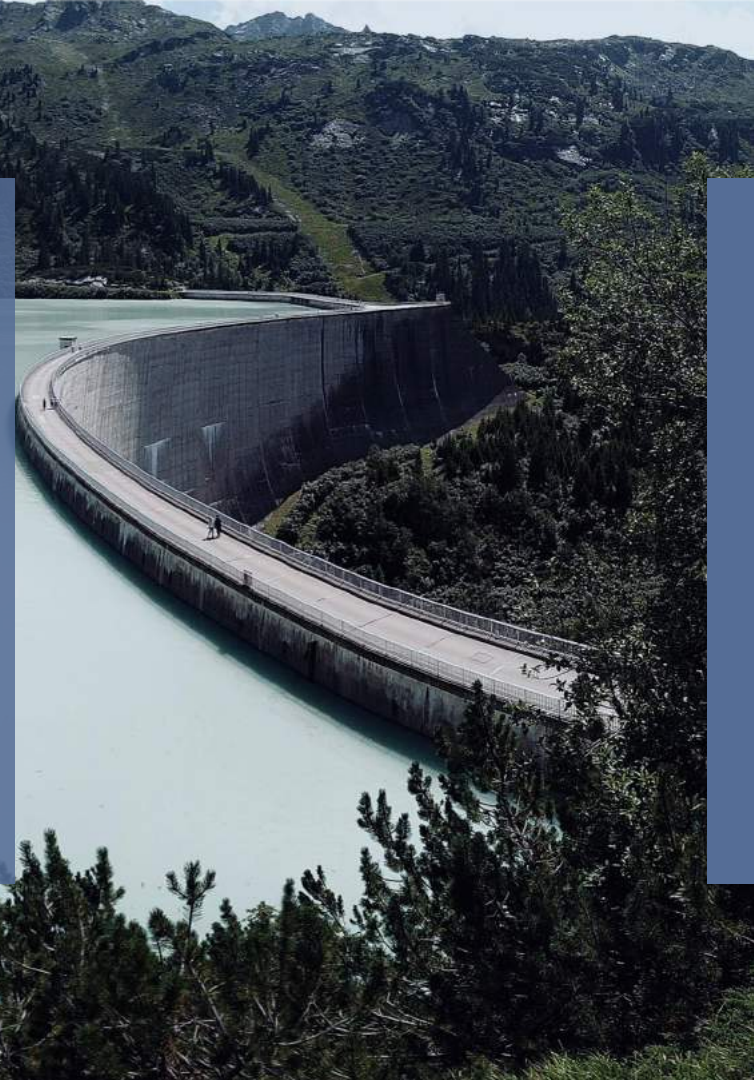




HYDRO CLOUD

Cloud based Hydro Infrastructure data digitisation
and monitoring system for dam safety management



Dam safety is fundamental to responsible management of water retaining assets. Today, many dams **do not have an adequate dam safety program** in place. This jeopardises the safety of the **dams** and of the **people** living downstream



Unreliable data

Readings from instruments are not performed or stored reliably



Existing Software Tools

Often too complex and expensive for many operators



Manual Data Analysis

Heavy reliance on experts to analyse the data



Ineffective event response protocols

Stakeholders and authorities are often not contacted timely

HYDRO CLOUD

Hydro Cloud is a secure and scalable **cloud based** solution to collect, store, and monitor Hydraulic Infrastructure **data**.

Hydro Cloud can be configured to **automatically detect** and **respond** to **dam safety** related **events**.



HYDRO CLOUD



COLLECT

Easy and flexible data entry facilitates **data collection**, both **manual** (using forms or importing from files) and **automated** (using Hydro Cloud's API)

STORE

Secure data storage on the cloud and **high availability** that requires **no software installation or maintenance** by the client

VISUALISE

Interactive data plots that give full control over how readings are visualised

ACCESS

Secure and **instant access** to **current** and **historical** data from anywhere. **APIs** can provide **integration** with data acquisition software, 3rd-party services, or between multiple sites

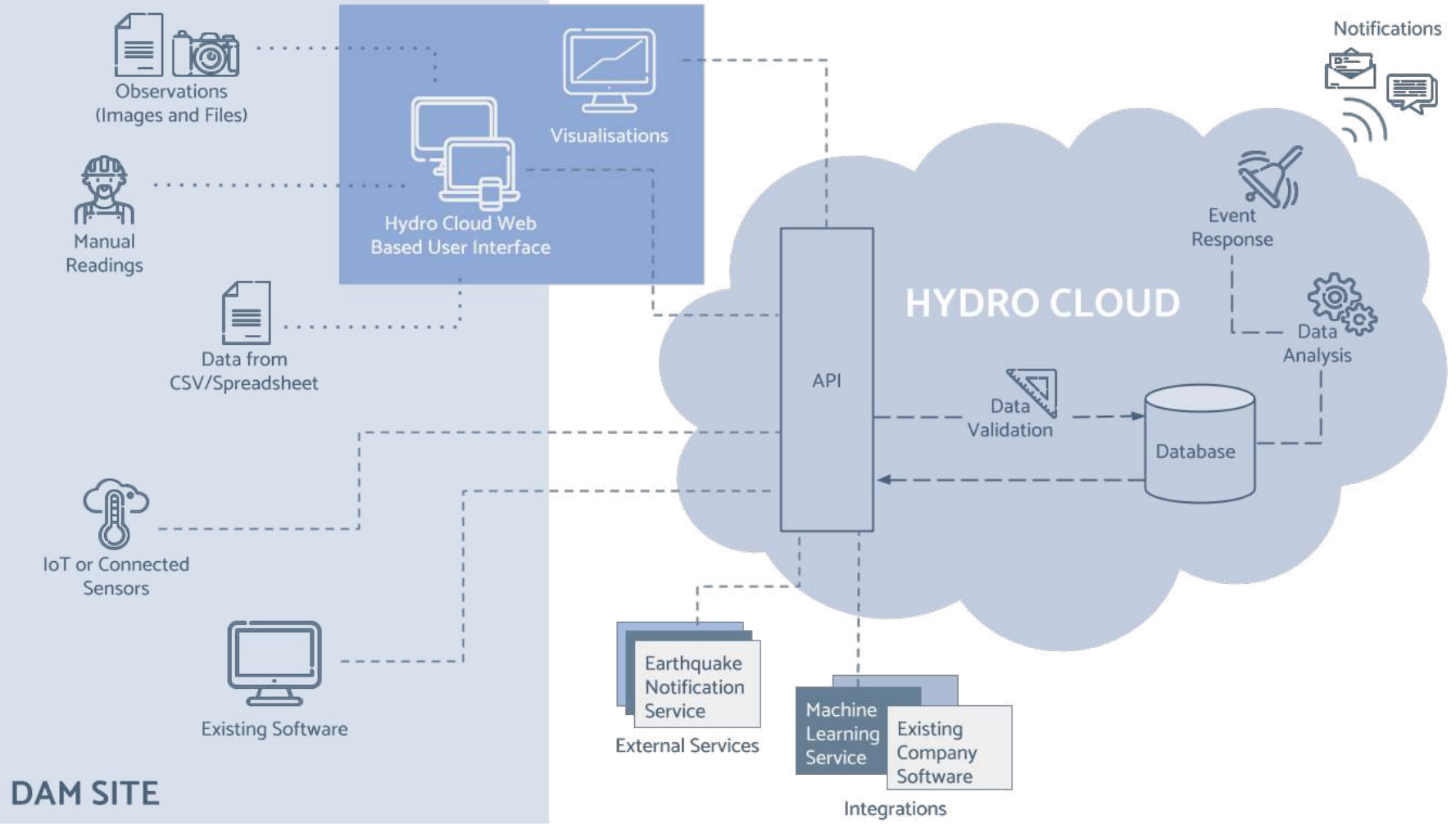
ANALYSE

Automatic data analysis, setup via simple "Excel[®] like" **formulas** to classify data using **thresholds** and **trends**

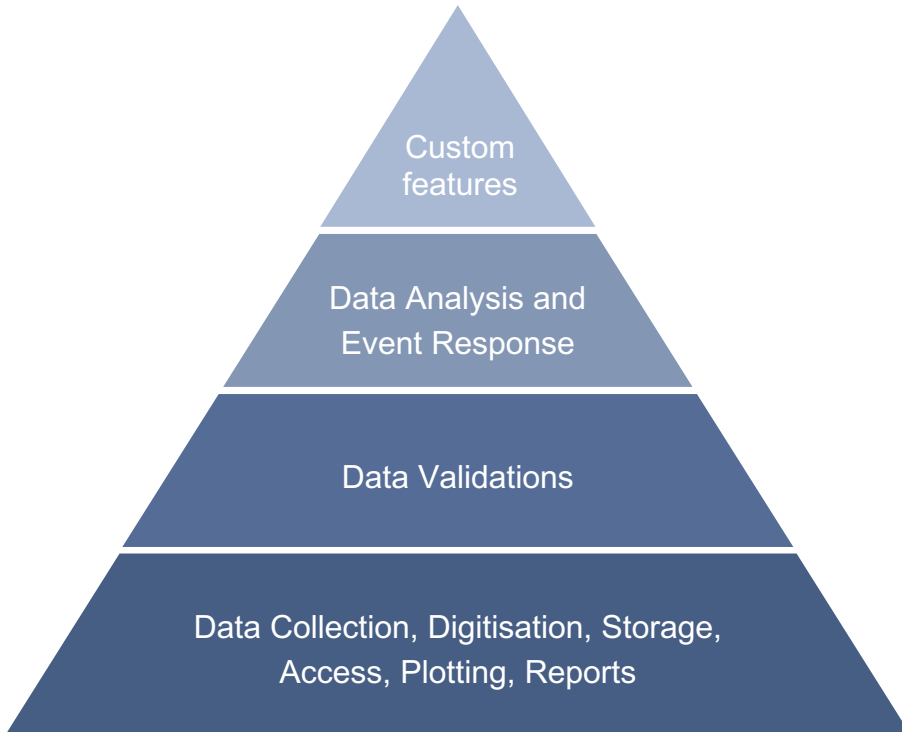
RESPOND

Industry standard **response framework** to **detect** and **respond** to events and optionally **contact** key stakeholders automatically

IMPLEMENTATION



SCALABLE FEATURES



Each dam is served by a **dedicated instance** of Hydro Cloud

Clients can **choose the features** they need from their instance to control their investment

Thanks to the platform on which Hydro Cloud is built, **custom functionality** can be implemented to meet unique requirements of a specific dam

NON-DISRUPTIVE

Deployment of Hydro Cloud does not disrupt existing infrastructure or processes

LOW MAINTENANCE

No installation nor maintenance of special IT infrastructure is required. All that is needed are an internet connection and web browser



The Hydro Cloud team can assist with importing existing historical data into the application

HISTORICAL DATA

Scalable features and the option to adopt the system gradually make Hydro Cloud extremely cost effective

COST EFFECTIVE

CONTACT US

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HYDRO CLOUD

