



NAIAD Irrigation

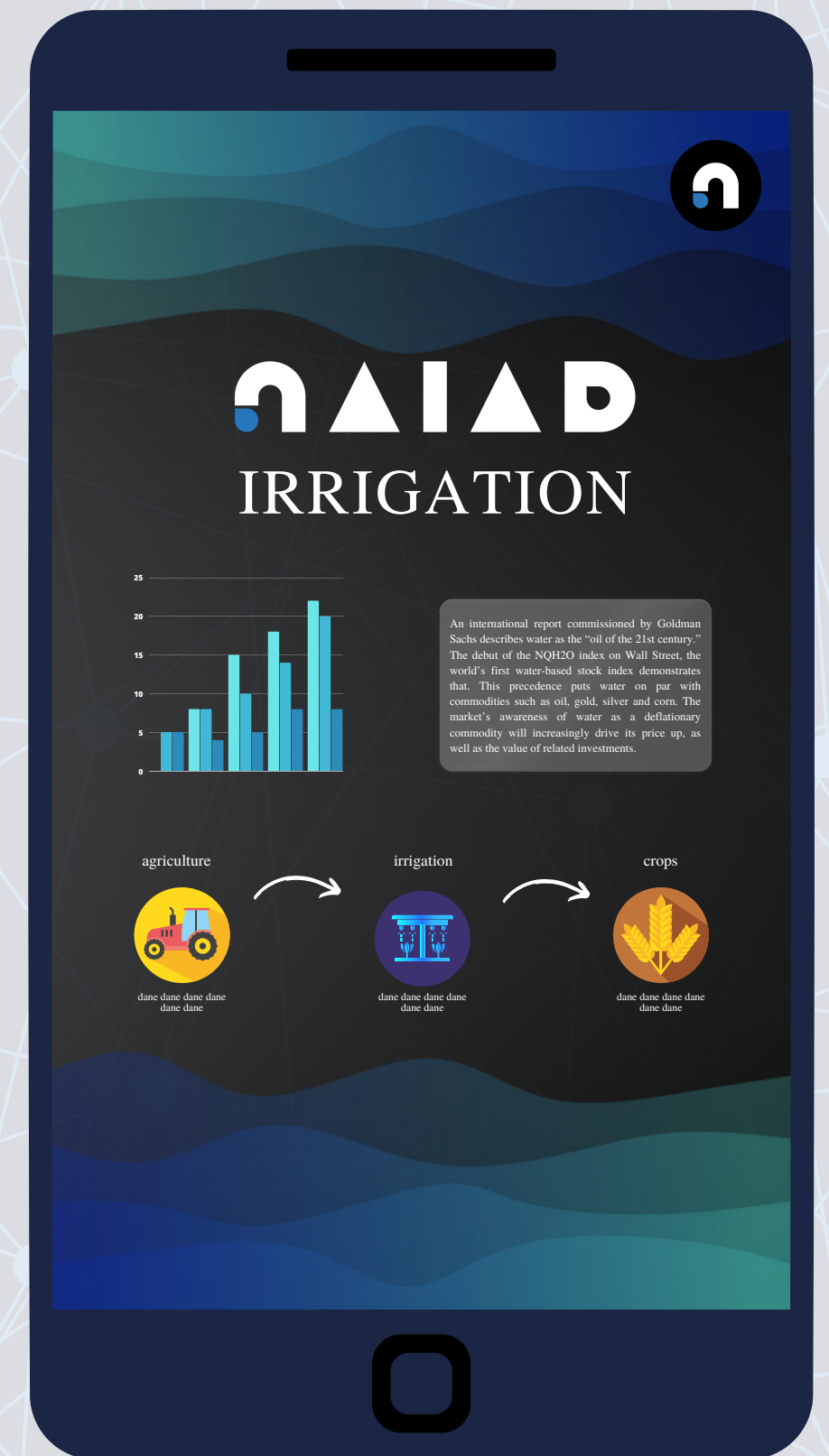
This is an **intelligent irrigation application**.

It enables **precise watering of crops** under conditions controlled by the farmer.

NAIAD

It combines technologies such as **Data Collection, Artificial Intelligence, Blockchain** with one of the most promising markets of the next 30 years, the so-called **Blue Market** - the broad water market and related industries.

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WHAT IS NAIAD IRRIGATION?



The Naiad Irrigation application is a combination of **blockchain** technology, **Artificial Intelligence**, and **Data Analysis** aimed at **optimizing water usage in agriculture**.

Based on scientific data in the fields of agriculture, hydrology, meteorology, and soil science, the application will utilize **Nature Inspired Algorithms (NIA)** to determine the water requirements for various types of crops.

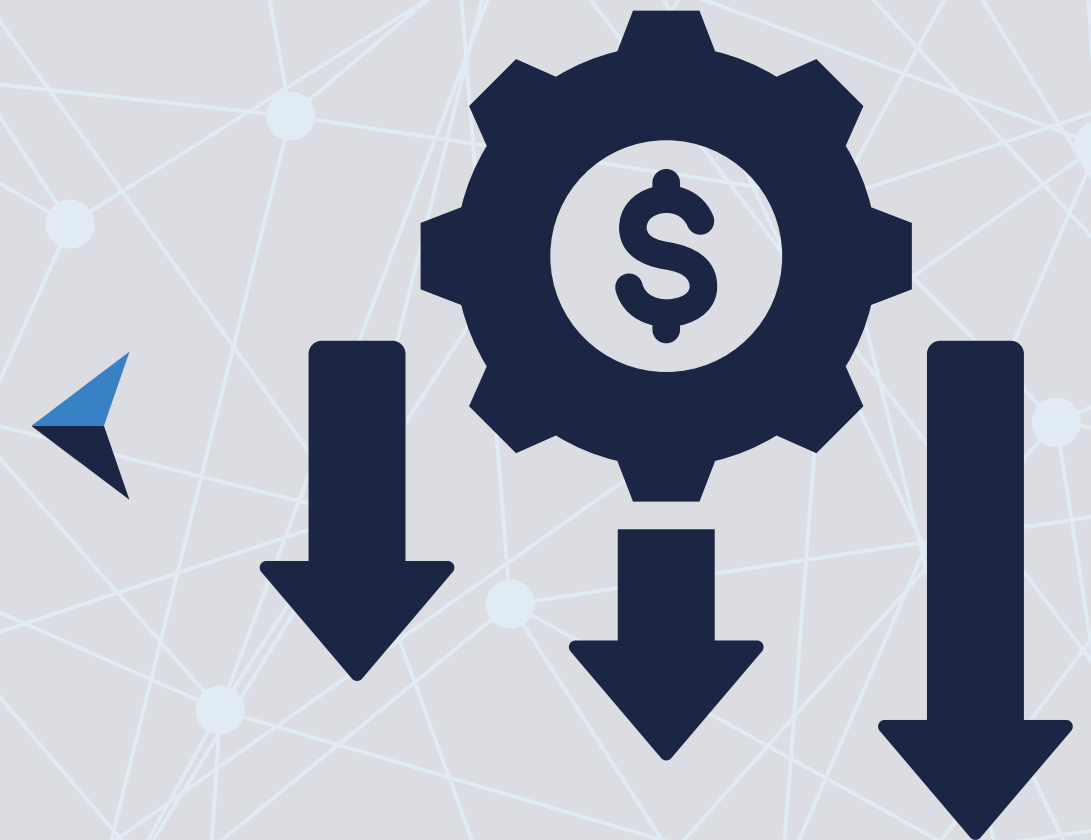


WHAT IS NAIAD IRRIGATION?



Furthermore, it will schedule subsequent **irrigation** dates and provide information based on **meteorological data** on whether the potential water requirements of the plants have been met through precipitation.

The application will focus on identifying the factors used for irrigation to determine its effectiveness, ensuring even **better water utilization** with the **least possible expenditure.**





NAIAD IRRIGATION APP

FUNCTIONALITY OF THE FINAL APPLICATION



The application will eventually take into account the type of cultivation, its environmental requirements, growth stage, current and forecasted weather conditions, and soil conditions in a given location.



The application will analyze, record, and learn from provided data patterns, utilizing AI and blockchain technology.



The application will allow for the creation of schedules for future irrigations.



The application will continuously monitor and provide information on parameters such as soil pH, salinity, and fertility at a specific location in the field.

BENEFITS OF NAIAD IRRIGATION



Reducing water consumption compared to traditional agricultural irrigation systems.



Attaining optimal soil conditions for the growth of cultivated plants.



Financial savings associated with precise water dosing.



Achieving the most optimal ratio of water resource utilization relative to crop yield.

