



Artificial Intelligence by Industry



The Overview

Artificial Intelligence is transforming every industry and driving new ways for companies to be more efficient, profitable and innovative.

Finance

The finance industry, including banking, capital markets and insurance companies have in common a high data volume, large historical records, and the quantitative nature of their operations. Due to these reasons, few industries are better suited for AI. Some of the most popular solutions in this sector are:



Fraud detection



Bots & Personal Assistants



Risk assessment


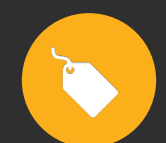


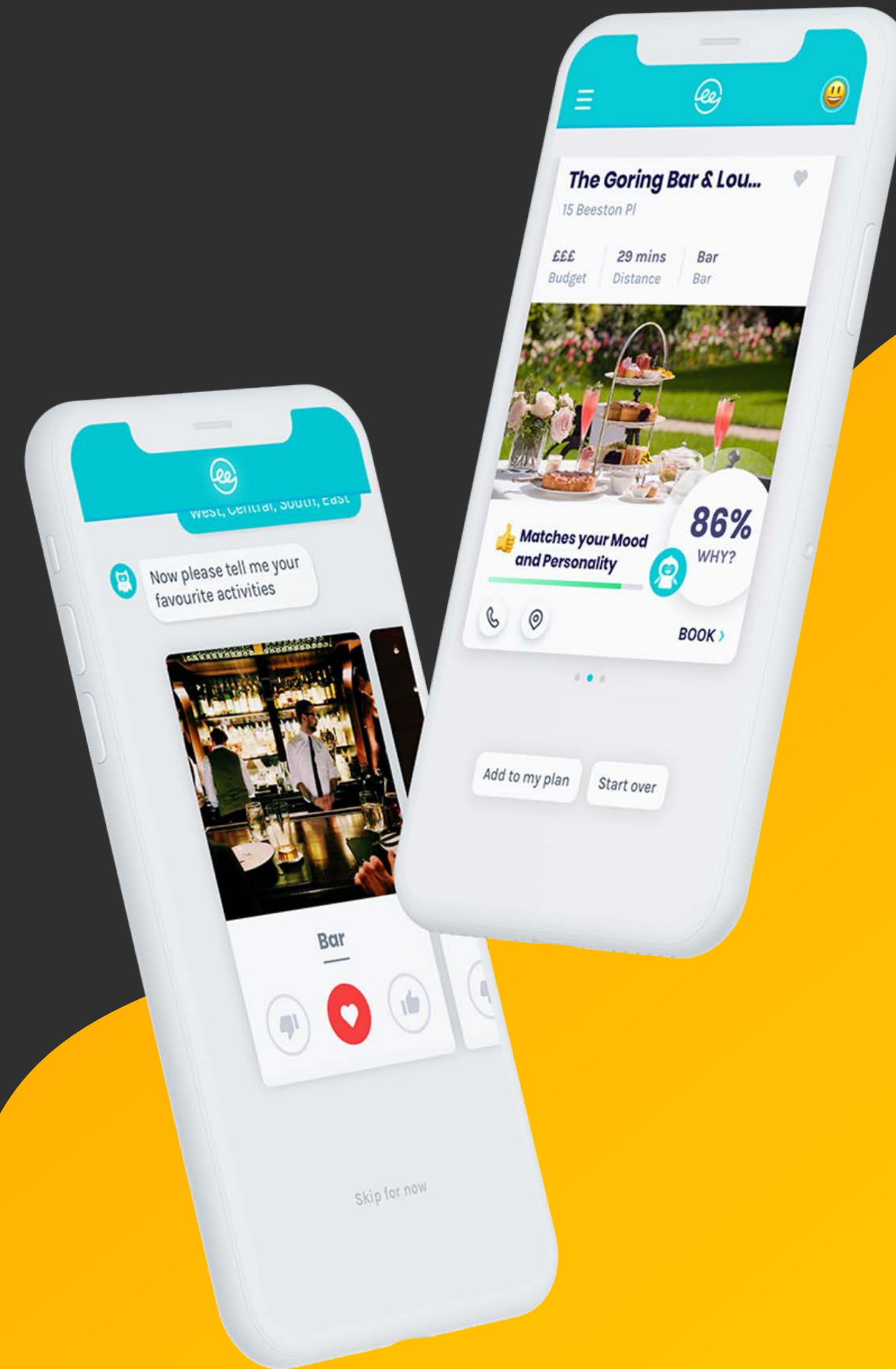
Financial forecasting



Travel & Tourism

AI is disrupting the travel, hotel and tourism sector, changing the way businesses and individuals organize their transportation, connections and leisure time. Some popular AI solutions in this area are:





-  Product recommendation
-  Price optimization





Healthcare

It is no secret that AI is expected to have a ground breaking impact in the healthcare sector. There are endless opportunities to leverage machine learning algorithms to deploy more precise, efficient, and impactful interventions at exactly the right moment for a patient. Some key solutions are:

-  Medical imaging
-  Automatic diagnosis with bots
-  Health monitoring with IoT telemetry
-  Predictive maintenance of medical devices

Retail, e-commerce & Consumer Goods

AI is becoming a one of the main drivers of shopping in retail, e-commerce and consumer goods. Machine learning gives businesses a strong competitive advantage and is available to businesses of any size or budget. Popular AI systems include:



Intelligent Inventory Management



Visual Recommendations



Personalized Recommendations



VEGETATIVE CHANGE :

POSITIVE ← → NEGATIVE

Manufacturing & Agriculture

The primary and secondary sectors are industries traditionally accessible to automation. Through machine learning, the extension of both human capabilities and the physical means of production can significantly accelerated innovation, optimize workflows and increase productivity. Some AI solutions for these industries are:



Predictive Maintenance

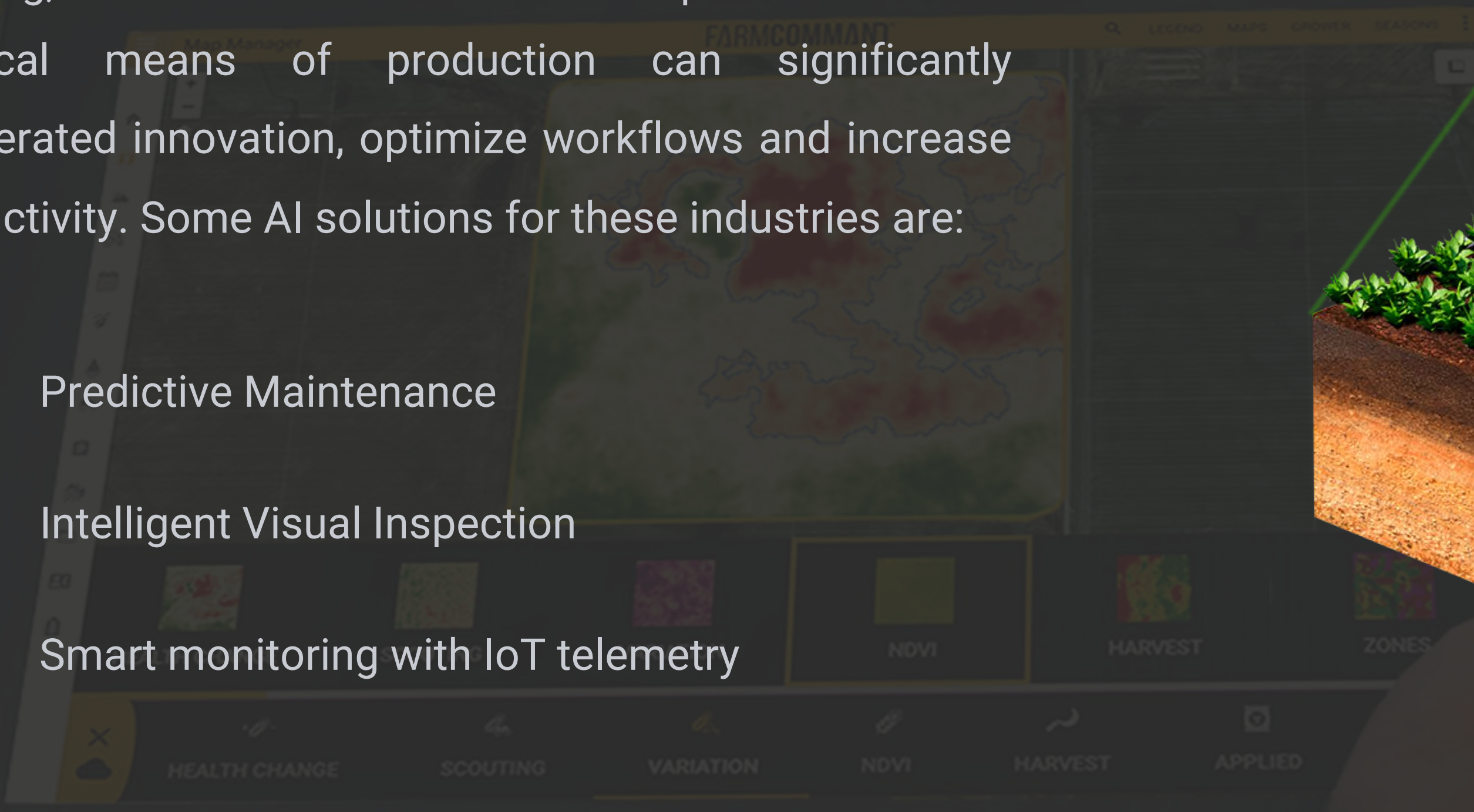
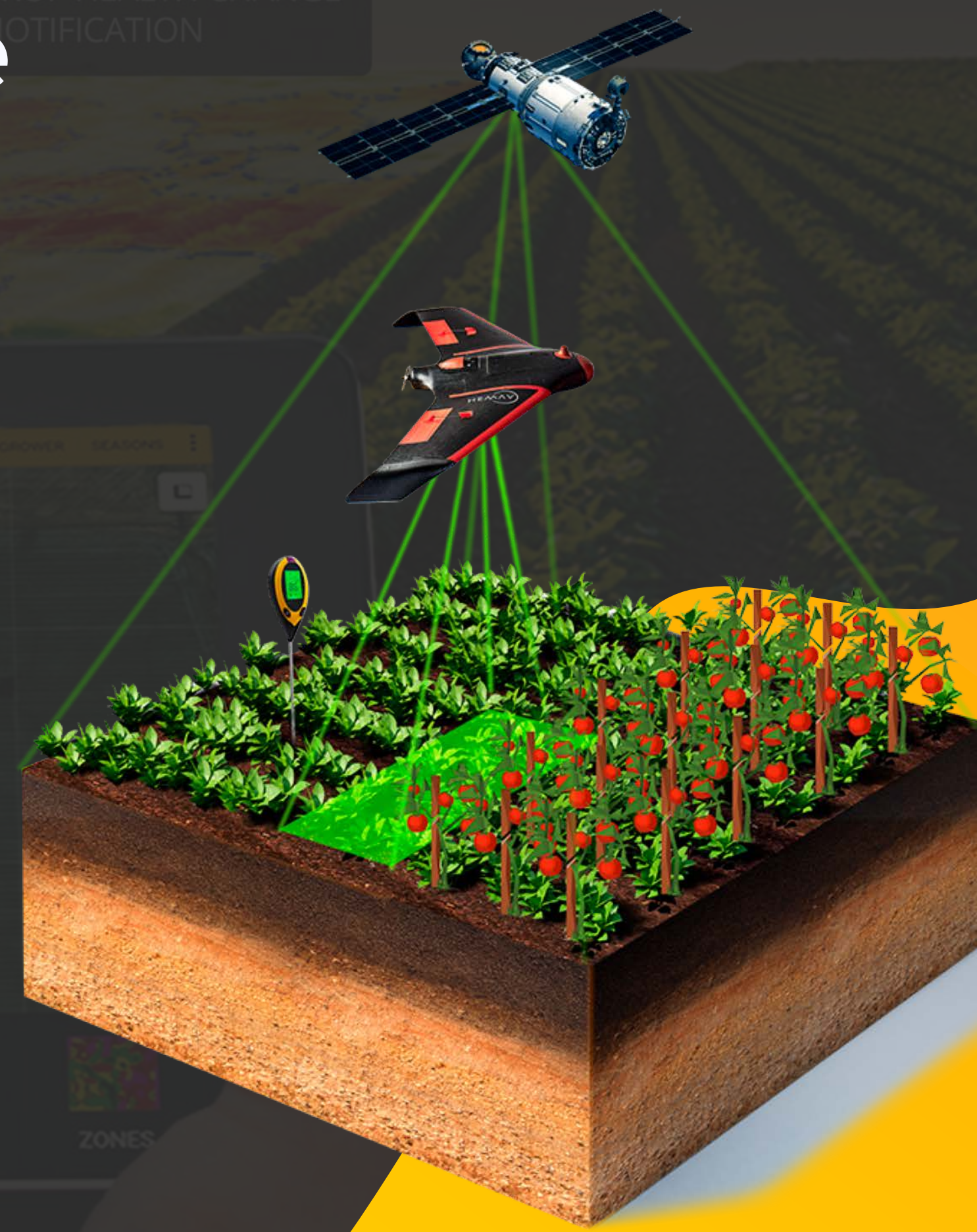


Intelligent Visual Inspection



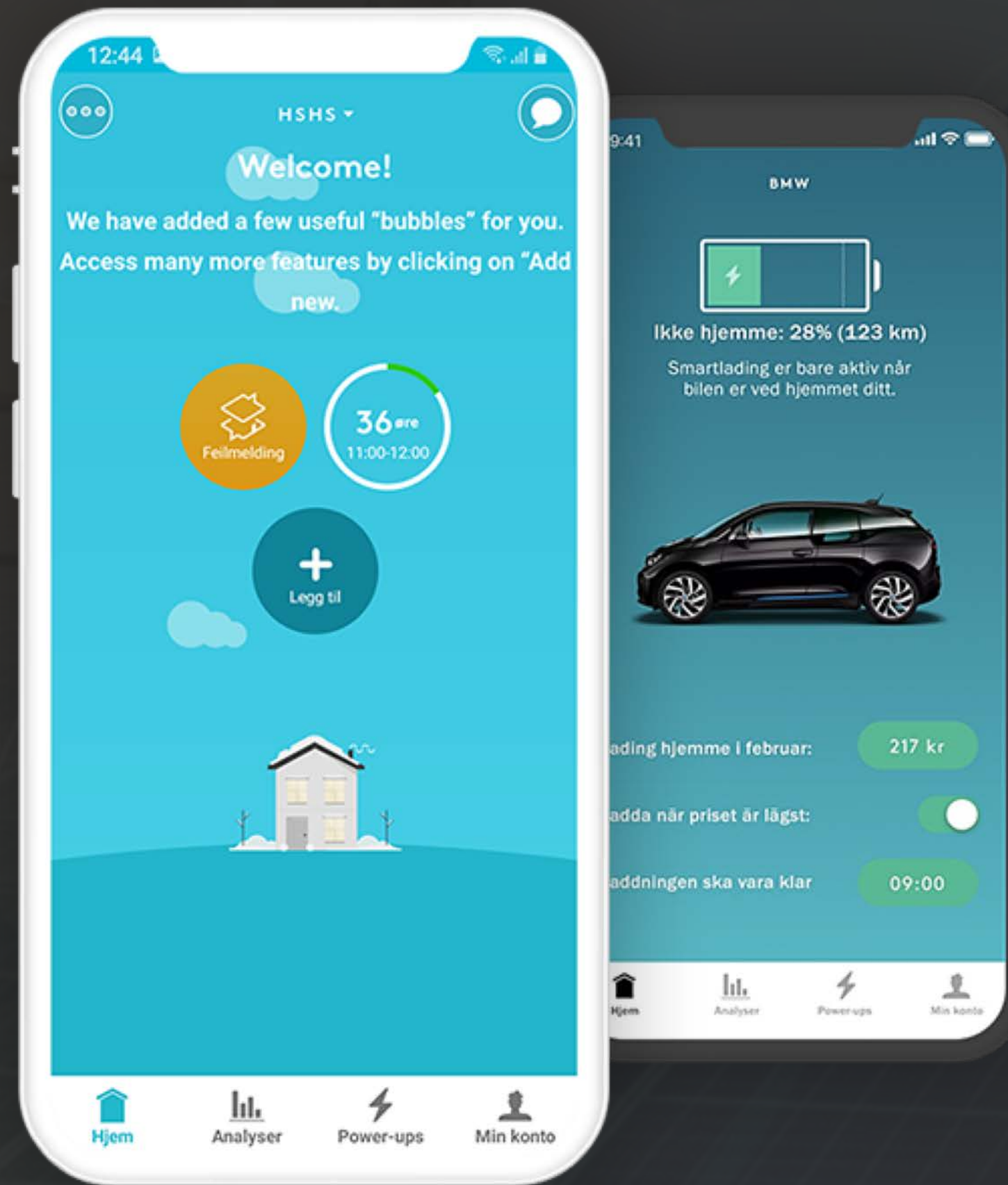
Smart monitoring with IoT telemetry

NEW MAIL
CROP HEALTH CHANGE NOTIFICATION



Energy & Utilities

There is an ongoing fundamental shift in the way the energy, oil and gas industries are evolving, with a global demand for clean, cheap, reliable energy. AI is increasingly being used to help meet this need by enabling the growth of low-carbon, green electricity and optimization of processes. AI can add value in:



Energy Demand Forecasting



Well Production Forecast



Predictive Maintenance



Smart Telemetry through IoT

Media, Telco & Entertainment

Media, telco and entertainment industries have seen a dramatic transformation in the last decade due to digitalization. Now AI is transforming the sector even further. AI can increase the revenue and reduce costs by creating individualized content, drive decision-making processes and understanding customer behavior. Some key solutions include:



Customer Segmentation



Content Moderation



Churn Prediction



Personalized Recommendations

Logistics & Transportation

Logistics, supply chain and transportation processes are experiencing profound transformations due to AI. Machine learning makes it easy to analyze huge volumes of data in an efficient fashion to provide sophisticated analysis, simplify information and help professionals to make informed decisions. Popular AI systems are:



Route Optimization



Predictive Demand and Capacity Planning



MALE 35.7 Y.O.

NEUTRAL

HAPPY

SURPRISE

ANGRY

YAW: -7.1

PITCH: 0.6

ROLL: -2

Government & Education

AI represents a significant economic opportunity for any government or educational institution. 25 European countries have recently signed a declaration of cooperation around AI and many others have defined AI roadmaps at different levels. AI is a great opportunity to improve quality life standards and education levels of citizens. Key solutions in this area are:



Automation of administrative tasks



Face Recognition for Security

Real Estate & Construction

Like any other industry, real state and construction are facing a challenging transformation. AI in the real estate and construction industries has the ability to reduce operational costs, improve customer service and improve efficiency. Some solutions in this area are:

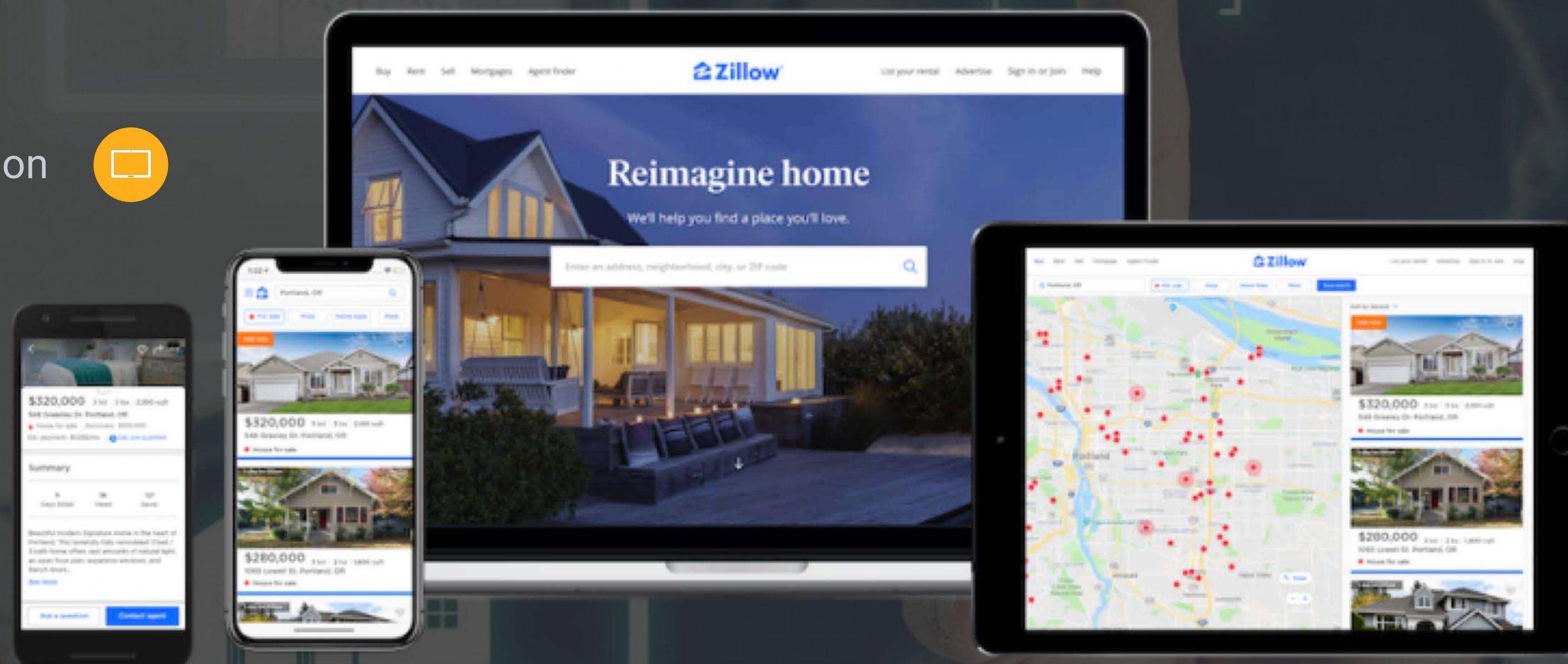
Property Recommendation



Machinery Predictive Maintenance



Property Management Automation





Thank you

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