Problem solution fit

Smart farming has enabled farmers to reduce waste and enhance productivity with the help of sensors(light, humidity, temperature, soil, moisture, etc.,) and automation of irrigation systems. Further with the help of these sensors, farmers can monitor the field conditions from anywhere. Internet of things based advanced farming is highly efficient when compared with the conventional approach. The applications of intelligent agriculture solutions not only targets conventional, large farming. With operations, but could also be new levers to uplift other growing or common trends in agriculture

Agri Bot-Autonomous Tractor

Tractors are essential agriculture equipment that is used right from preparing the soil for planting seed all the way to harvesting crops agribot develops its eponymous autonomous tractor the agribot offering several benefits for the formers apart from saving time their tractors are fitted with a range of sensors to significantly reduce human contact with chemicals and pesticides during weeding. It allows for increased capacity, working day and night along with the ability to carry out two agronomic tasks simultaneously.

One water-smart irrigation

The changing seasons have a great impact on agricultural activities. Indian stat up one water, guided by their parent company nascent info technologies, develops internet of things(IoT) based smart irrigation systems for agriculture. Excess water can also cause the destruction of crops and spur the growth of weeds. One water can sense soil moisture, humidity, and temperature to automatically execute drip irrigation on the farm, saving valuable resources .

Saga robotics-autonomous harvesting

Automation in harvest technologies for agriculture ensures lower stress on labour from potential accidents or snake-bites. Norwegian start up saga robotics develops a modular robotic platform called Thorvald, an autonomous farm robot capable of performing several tasks, including harvest of fruits and vegetables

Desamis-livestock monitoring

Cattle, sheep, pigs, goats, and chicken contribute significantly to food and clothing for humans. Animal husbandry is an important branch of agriculture that deals with the day-to-day caring, breeding, raising, and monitoring of livestock. Cattle, especially, are being provided with their own sensors that track their movement and activity, monitor heat in their stomach, check their breath to detect diseases, and more.

Plastomics-genetic editing

It is believed that by 2050, there will be around 9 billion humans in the world. Today, almost all arable land in the world is being used for agriculture. This drives innovation in agriculture to significantly increase farm output or yield per acre/hectare. And one of the most powerful, but controversial, innovations is the genetic manipulation of crop seeds.

Problem solution fit