

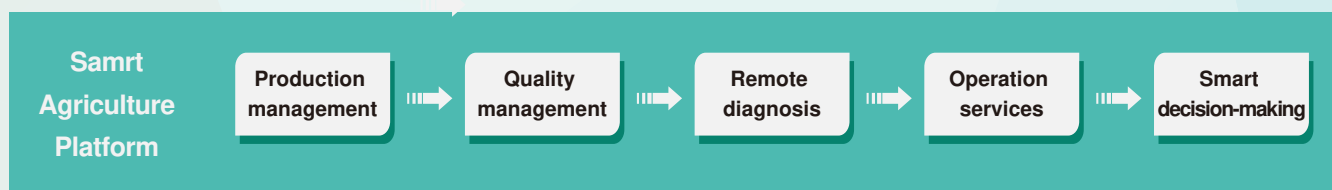
KQ Smart Agriculture Management Solution

Background

Agriculture is the basis for the survival and development of human civilization. In traditional agriculture, most of agricultural activities are conducted manually, thus causing a series of problems such as low level of mechanization of crop planting, failure to timely acquire and share crop growth information, crop fertilization simply relying on human decision-making, unguaranteed crop quality and inefficiency of crop yield estimation. Those problems not only affect crop yield and quality, but also restrict the development and management of agriculture industry.

KQ Smart Agriculture Solution

In response to the existing problems in traditional agriculture, we are committed to building Smart Agriculture Management Platform with geospatial technology as the core and integration of Internet of Things (IOT), big data, cloud computing, and other high technologies. This platform is featured with agricultural production management system, agricultural quality management system, agricultural remote expert diagnosis system, agricultural operation service system, and smart decision-making system. This platform intends to realize information sharing in terms of agricultural production, circulation and marketing, thus increasing agricultural production and income.



Technology Characteristics

Production Management

- 💡 High-precision farm machinery operation -- realize high-precision seeding, fertilization and operation management
- 💡 IOT field automated management -- monitor growth status of greenhouse crops in each stage in real time
- 💡 Farming process management -- record process of agricultural production
- 💡 Soil sampling and formula fertilization system -- provide an optimal fertilization plan to increase yield
- 💡 Agricultural RS application -- realize quick, accurate and dynamic crop yield estimation

