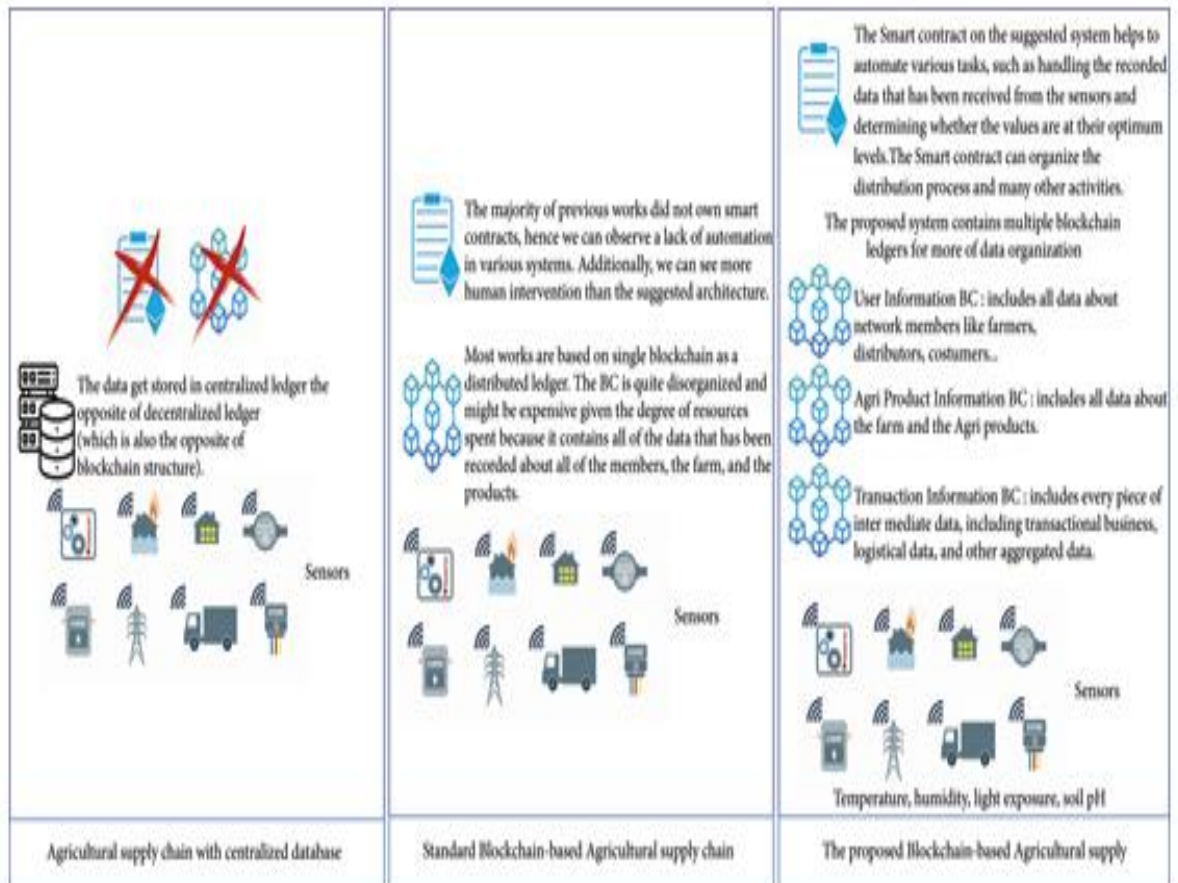


TEAM ID:	NM2023TMID04432
PROJECT NAME:	AGRICULTURE DOCS CHAIN

PROPOSED SOLUTION

- Proposed Solution means the combination of software, hardware, other products or equipment, and any and all services.
- (including any installation, implementation, training, maintenance and support services) necessary to implement the solution described by Vendor in its Proposal.
- The Solar Impulse Label is granted to innovative sustainable agriculture solutions that meet high standards of sustainability and profitability.
- Each solution goes through a strict assessment process performed by independent experts.





- The only way to verify and validate transactions in the system is to use IoT devices that are physical consortium members.
- With the RAFT consensus algorithm, the proposed blockchain platform becomes not only energy-efficient but also faster and scalable that can record thousands of

confirmed transactions per second across multiple ledgers.

- Third, the blockchain with the RAFT consensus mechanism provides a transparent, secure, and trusted platform for faster exchange of all types of services among stakeholders.
- The RAFT consensus mechanism guarantees integrity if more than 50% of transacting nodes are honest.
- Several consensus algorithms are proposed for reaching a consensus among several action nodes, including proof of work (PoW), proof of stake (PoS), practical Byzantine fault tolerance (PBFT), and RAFT.
- The public blockchain generally uses PoW and PoS, although they lack the speed of confirmation.
- As a decision, our consensus mechanism decreases the use of the blockchain to connect various agri-based IoT devices.

➤ The RAFT consensus method is more convenient to employ in a private blockchain