

Remote office



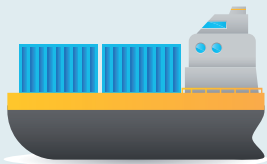
Remote control office verifies transactions and provides analysis and reports to clients.

Electronic transactions



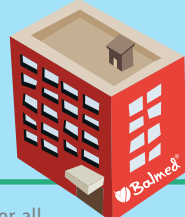
Bank

Port



Port processes shipment and issues Bill of Lading.

Head office



Control and monitor all purchases and work processes in real time through cloud SAP system



Payment options

Head offices approves transaction volumes and credits farmer account in the SAP system.

Mobile banking service



Mobile bank securely delivers cash balance to individual farmer through biometric identification using fingerprint scan.

Mobile money



Mobile money sent directly to a stakeholder phone. Cash is withdrawn at a mobile money point.

Bank account



Payments directly on bank account of eligible stakeholder. Credit cards are used to withdraw cash at a bank's facility or ATM.

Farmer/Group member

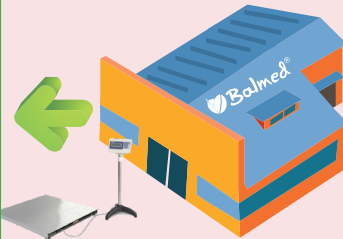


Cash-out



Group member check balance through ID card on mobile app

Warehouse



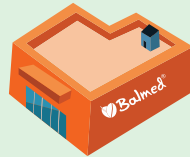
Export warehouse receives standardized bags from processing center and batch to container loads. Container is sealed at the warehouse and transported to the port.



Processing Center

Shipping

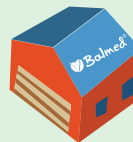
Processing of shipments



Standardized bags are shipped to the export warehouse in Freetown

Packaging

Standardized bags: 64 kg



Bulk volume is packed to standardized bags for export

Drying

Drying beans after fermentation



System indicates conversion rate
- 47% fermentation
- 20% drying

Solar drying and export drying (6%) of fermented cocoa beans

Fermenting

Ferment raw beans



Fermentary receives raw beans from the Transporter

Farmgate: POS

Purchasing of raw beans



Transporter capture weight and price in SAP system; purchase is noted and stamped in farmbook of group.

Dataflow in SAP

7. Clearing & Export



6. Ship to port in container



20 or 40 ft container



5. Ship to warehouse



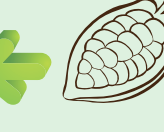
4. Packaging



3. Drying



2. Fermenting



1. Buying



Buying of raw cocoa beans/pods from farmers

Conversion rate raw cocoa: 67 % weightloss

- Load from Warehouse to Truck
- Offload at Port



- Load from processing center
- Offload at warehouse



- Load from Packaging (inhouse)
- Offload at Shipping (inhouse)



- Load from drying (inhouse)
- Offload at packaging (inhouse)



- Load from farmgate
- offload at processing center

