

Sistemas de Trazabilidad para el sector Forestal

Martín de la Serna

la empresa



www.helveta.com



introduction to helveta

- founded in 2004
- corporate headquarters near Oxford, United Kingdom
- support offices in Malaysia, France, USA, and Indonesia.
- developed and deployed the unique software platform, CI World™:
 - chain of custody
- asset tracking
 - process improvement
 - resource mapping





principal business segments



- Forest Resources Mapping
- Timber Chain of Custody
- Process Control





agribusiness / food

- foodstuffs Chain of Custody
- food Storage Management
- Process Control



our partners

shareholders

OXFORD CAPITAL PARTNERS



technology







strategy and implementation

















our clients

Forest Peoples Programme

supporting forest peoples' rights

























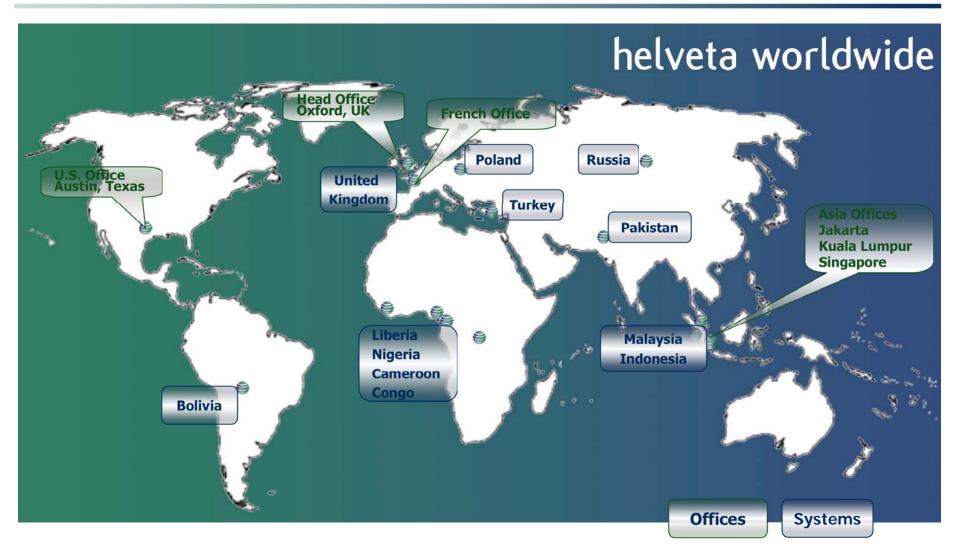




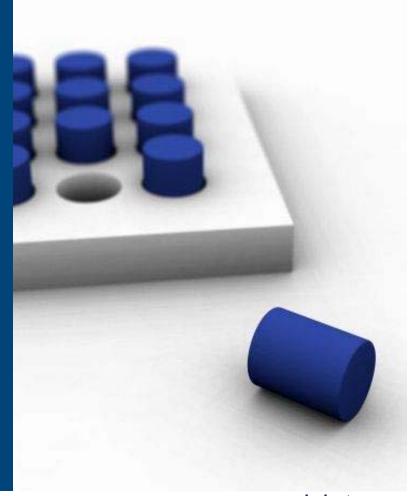




helveta worldwide



Solución para la Cadena de Custodia



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wood supply chain challenges

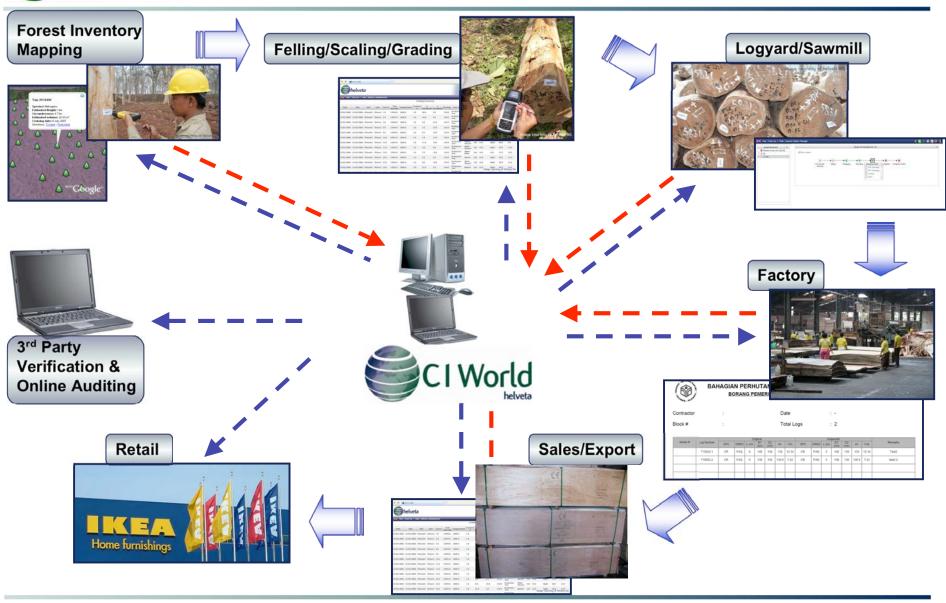
- wood origin verification, complete visibility of supply chain
 - impossible with paper based systems.
- lacking back to stump traceability
- Inventory management difficult with extended supply chains
- recovery optimization
- legislative imperatives driving change:
 - EU initiatives: FLEGT, UK legislation
 - US initiatives: Lacey Act







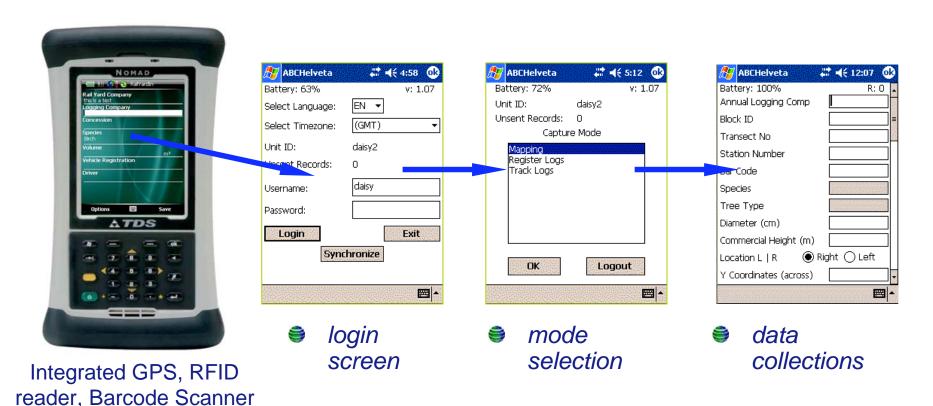
CI WorldTM





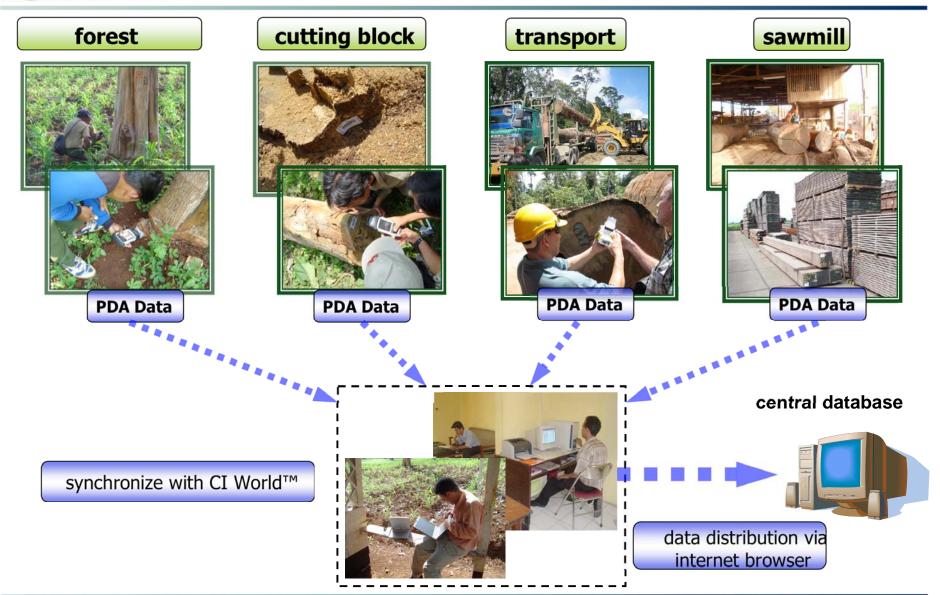
CI World™ handheld PDA

- ruggedised device (shockproof, waterproof) for field data collection at all points in the chain of custody.
- runs CI Mobile™ application on Windows™ Mobile platform





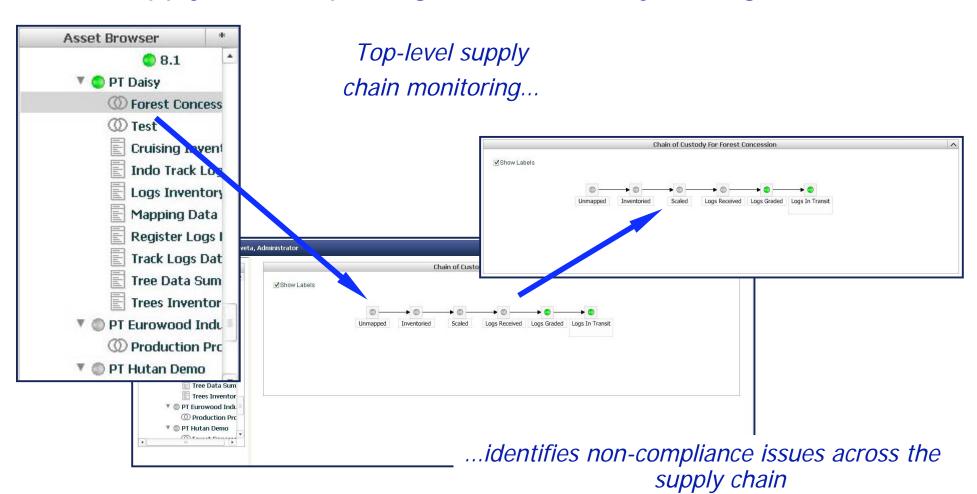
data capture and processing





reports

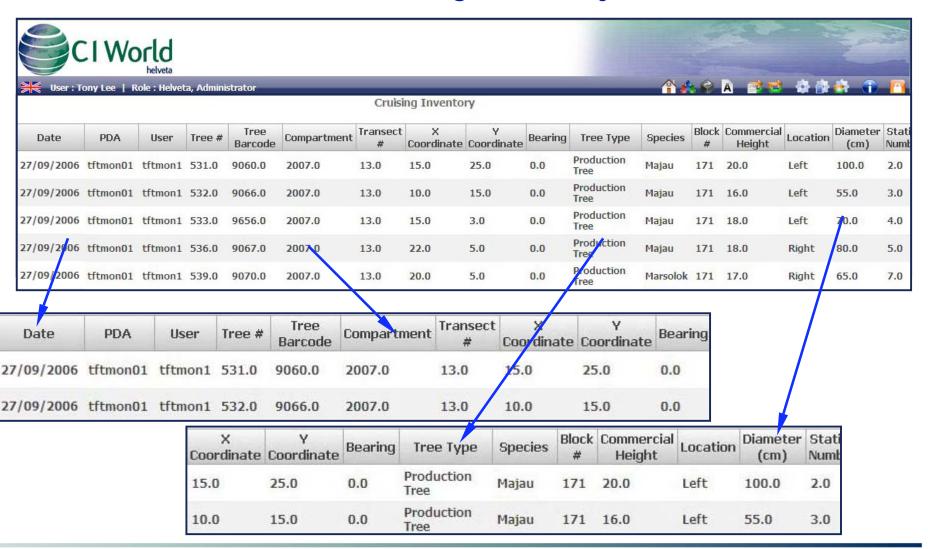
Forest supply chain reporting and traceability through *CI World™*:





custom reporting

Form: forest cruising Inventory





customised rules engine

000006096

000006096

000006248

000006248

287.0

171.0

171.0

2871.0 125.0

custom alerts configured to client requirements

- duplicate barcode
- change in tree species
- change in tree volume



196.0

139.0

139.0

- stationary logs
- missing logs
- unrecorded logs entering the supply chain

13c

13c

13c

13c

logs harvested outside designated cutting area

2.5508

0.8709

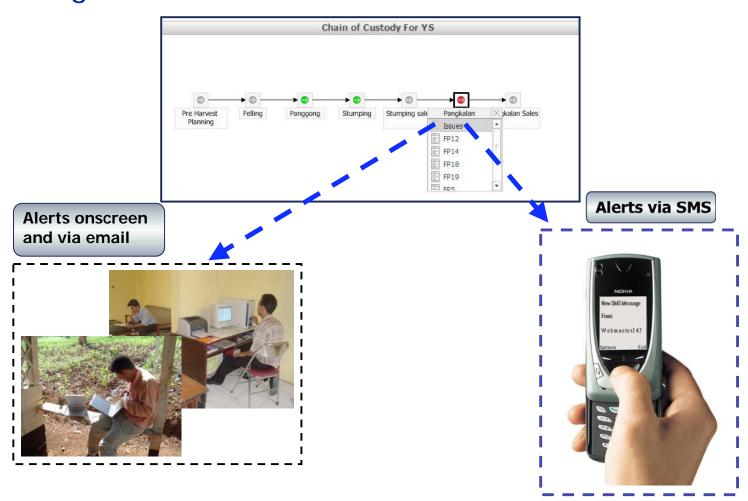
1.1418

1.1418



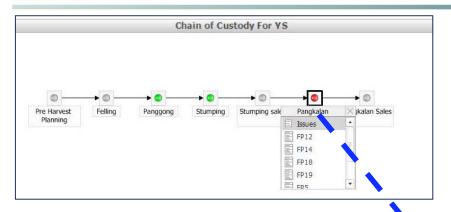
alerts

Alerting data anomalies and procedure compliance breach through CI $World^{TM}$:



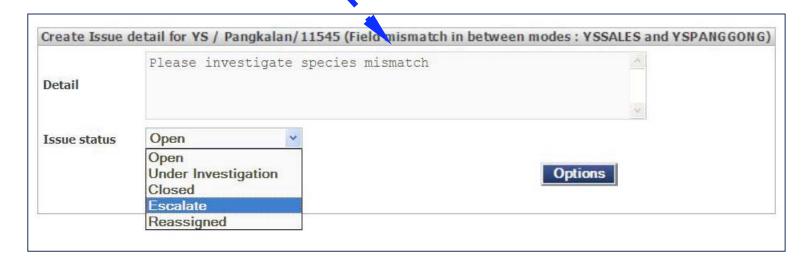


alerts - intervention tracking

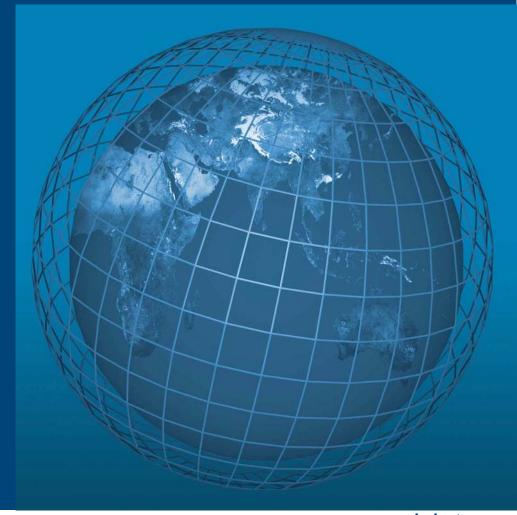


intervention tracking and online audit trail



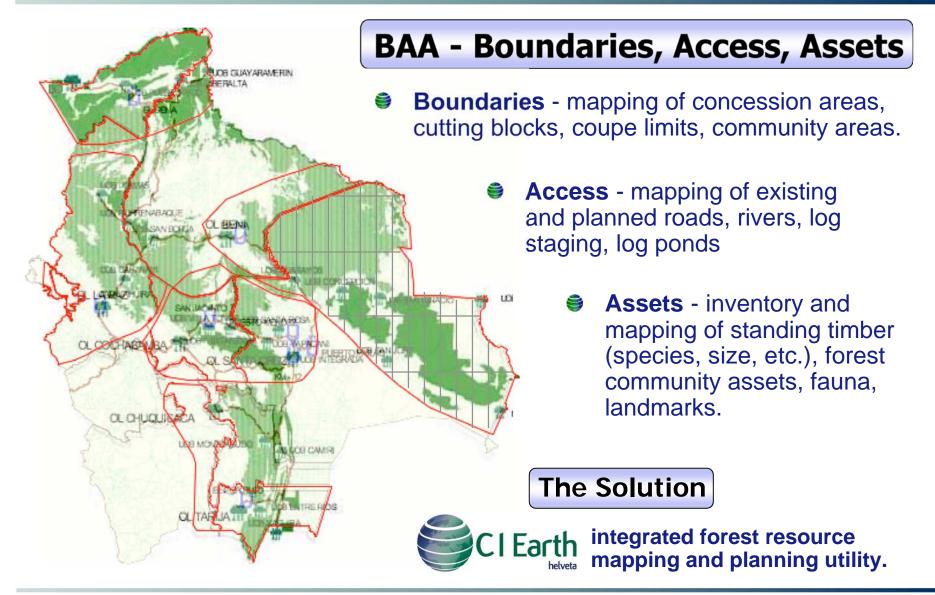


forest resource mapping solutions



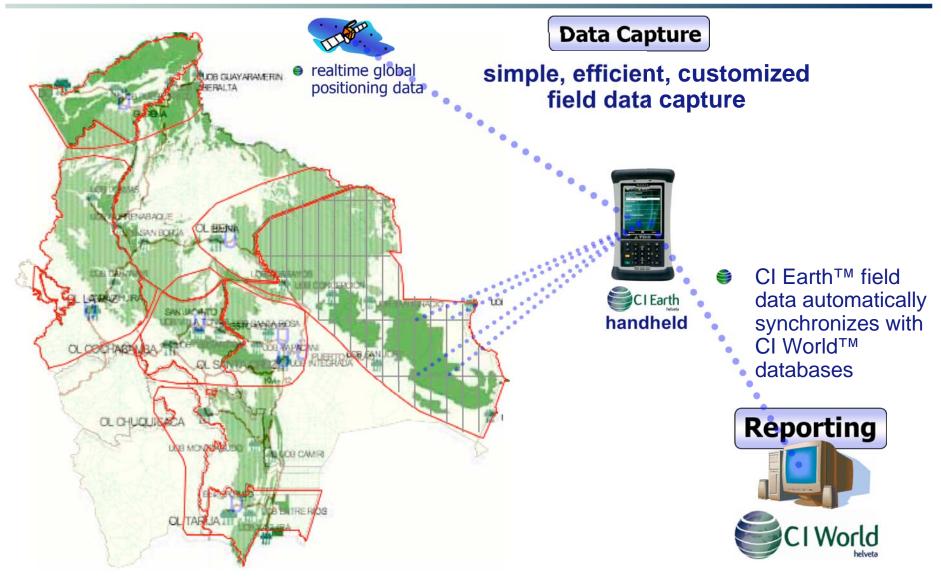


mapping case study





mapping case study





CI Earth demo



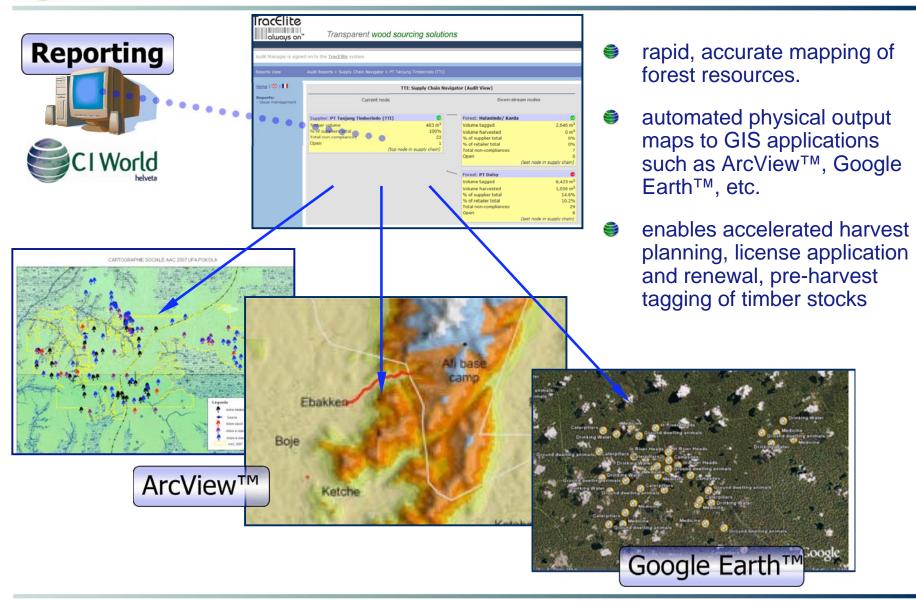


CI Earth demo





mapping output / physical maps

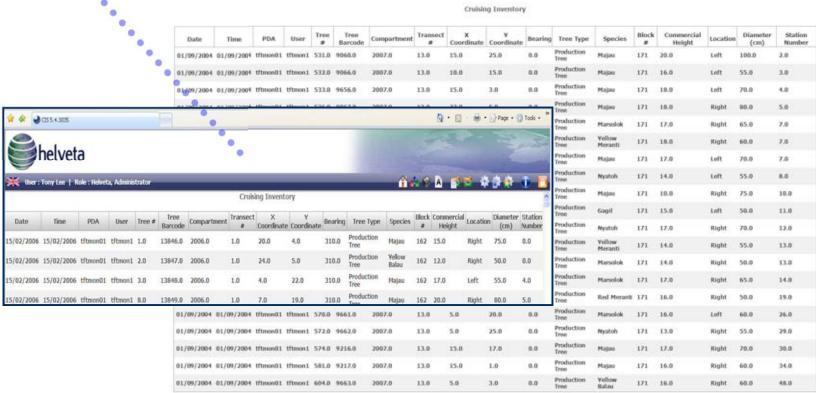




mapping output / reports



- flexible, configurable report outputs
- sort and report data by region, species, size, proximity to transport facilities
- link inventory planning to customer order backlog to optimize workflow.





benefits summary

wood origin verification, complete visibility of supply chain impossible with paper based systems.

configurable reporting and traceability for timber supply

chains

increased recovery in factory and forest

- access to premium markets
- regulatory supervision and control
- traceability from forest to consumer
- efficient resource mapping, planning, and management





Muchas Gracias