Aerial Compliance – Transparency & Efficient Assessment Process

RSPO RT 17 Conference
4th November 2019
RSPO Theory of Change

- Biodiversity Protection
- Halting Deforestation
- Responsible Development
- Reducing GHG emissions
- HCV Management
- Remote Sensing

Strategy on Credibility certification, verification & Grievance

Achieve Long Term outcome
Aerial Compliance for Transparency

- Biodiversity Protection
  - Halting Deforestation
  - Reducing GHG emissions
  - Responsible Development
    - HCV Management
    - Remote Sensing

Aerial Imageries:

- Increase transparency and holistic landscape assessment coverage (more than eye level compliance).
- Unique aerial perspective to allow coverage of remote areas that may not be accessible from boots on the ground.
- Agriculture management practices can be monitored to ensure there is no deforestation or encroachment and potentially GAP.
Aerial Compliance for Efficient RSPO P&C Assessment

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<th>Indicator</th>
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<th>From Aerial observation</th>
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<td>7.5.3</td>
<td>Slope/ steep area</td>
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<td>7.12.8</td>
<td>HCV or HCS</td>
<td>Land clearing without HCV assessment</td>
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BSI’s vCapture Platform

- Measurements tools
- False color composite
- High resolution
- Time & Geo Stamping
- Image Comparison

Visit Booth #7 for more details
BSI’s vCapture Platform to RSPO Theory of Change

Credibility

- BSI authenticates and verifies all data uploaded to vCapture. An instrument of Trust via the scientific HCV monitoring.
- Provides both assessors and the plantation owners a cloud-based platform to document nonconformities visible in 2D orthomosaic and 3D modeling (ongoing development).

Transparency

- Assessor able to access to more transparent information on estate performance.
- Provides a platform for growers, suppliers, and retailers including banker to use, which allows for transparency and traceability monitoring in the entire supply chain.
- Sharing of platform decided by company.
BSI’s vCapture Platform to RSPO Theory of Change

Remote Sensing
- vCapture images are geo tagged and time stamped.
- vCapture allow map laying.

HCV Management
- vCapture has unique and precise tools that can be used to measure erosion of vulnerable soils and slopes. Buffer zones can be precisely measured and monitored to meet the compliance in conserving and rehabilitant, and any land use/concession changes can be monitored consistently.

Halting Deforestation
- vCapture’s time lapse and measurement tools that can accurately measure any land use changes to ensure zero deforestation and encroachment.

Reducing GHG emissions
- vCapture provides false color composite to visualize crops nutrient deficient. Consistent monitoring fertilization plan, which could reduce GHG emissions and meeting GAP.

Responsible Development
- vCapture’s time lapse can capture no illegal new planting.

RSPO Theory of Change
- Credibility certification, verification & Grievance
- Achieve Long Term outcome
- Biodiversity Protection
BSI’s vCapture Platform – other benefit

• Aerial monitoring on plantation operations potentially to identify nutrient deficiency, palm pest and diseases.

• Aerial monitoring on replanting activities especially in road layouts, drain constructions for land preparation and cover crop establishment.

• Aerial accessibility to inaccessible area such as flooding and remote located areas.

• Increases coverage area on operation monitoring by replacing traditional method.
BSI by Royal Chartered – a trusted global brand

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- 193 countries, 73 offices
- 86,000 clients
- 4,500 colleagues and 11,900 experts
- 150,000 delegates trained
- 59,000 standards published
The world’s most adopted risk management standards all originated with BSI …and are all delivered by BSI and our competitors
Conclusion

• This unique aerial imaging not only provides a landscape of the entire plantation to monitor deforestation and land disputes, but also helps growers monitor their operations and maintenance of their fields.

• Promote efficient and holistic RSPO compliance assessment that increases credibility and transparency.

• Coupled with BSI’s expertise, vCapture provides more than visual compliance; an innovative solution allows for a centralized, organized experience for growers, bankers, suppliers, and retailers.
Thank you
BSI is at booth #7.
Visit us for surprises.

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...making excellence a habit