

bsi.

...making excellence a habit.™



Digital assurance

BSI aerial assessments and
agricultural analytics

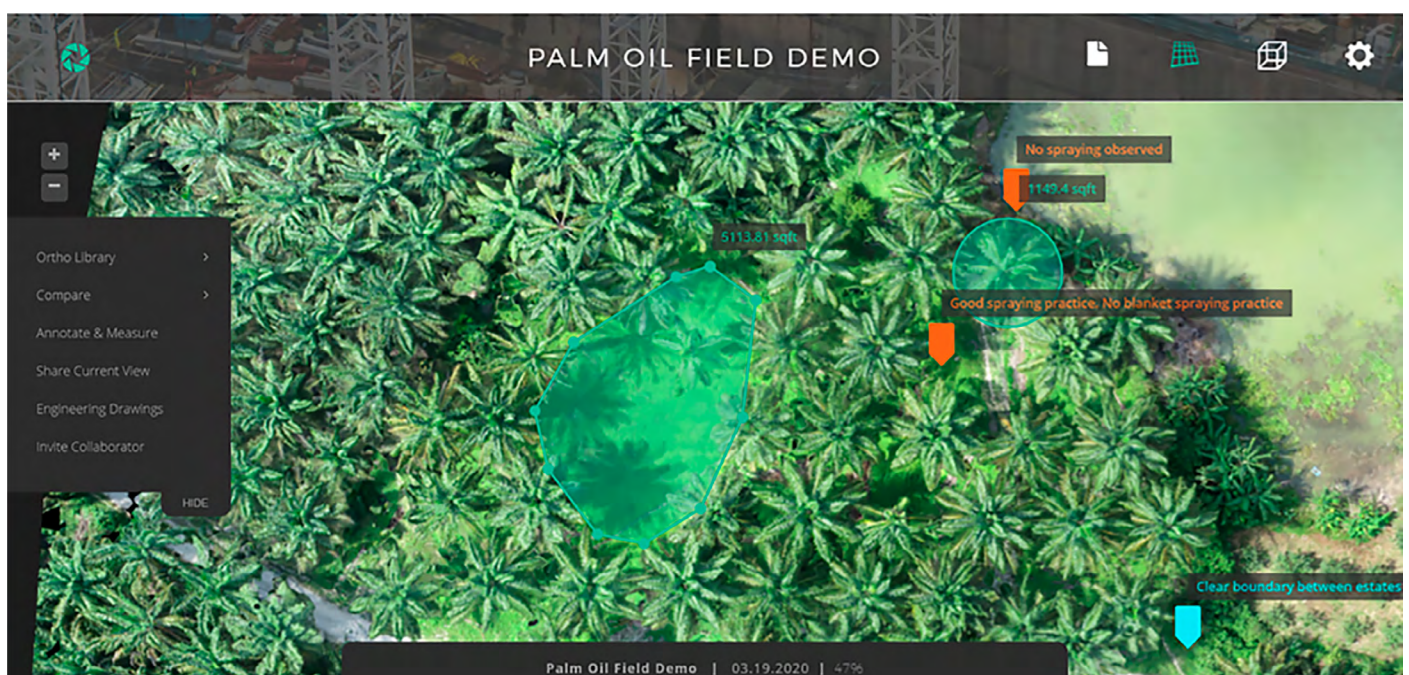
Introduction

The integration of aerial technology into our assurance and consulting services can help your organization build resilience; even in challenging times. We've partnered with vCapture – a leading aerial imaging modelling service – to ensure you can benefit from the most innovative techniques available.

Drone and satellite technology allow us to collect and convey highly detailed data including inspection reports, real-time video footage, 2-D and 3-D orthomosaics, high-resolution pictures and false colour composite images. Combined, this allows organizations to make decisions based on data they can trust. It can also mitigate the risk of working at height or in hazardous areas that may put the safety of our clients during on-site audits at risk.

Benefits of BSI Aerial Compliance for oil palm plantations

- Enhanced audits and reports supported by trusted, digital evidence that RSPO Principles and Criteria are being met, including images with of 2 to 3 cm/pixel resolution (up to 30 times sharper than satellite images)
- Clear identification of non-conformities via vCapture's 2-D orthomosaic and 3-D modeling functionality
- Facilitates the management of non-conformities by providing a visual record of issues as well as providing access to relevant documents containing laws and/or regulations that can be uploaded to the platform
- Delivers a specific snap-shot in time and/or year-over-year evidence and data to support compliance and monitoring of crop health, deforestation and land/boundary disputes as well as field operations and maintenance
- Efficient and effective audit and crop management through measurements and time lapse technology as well as nutrient deficiency via false colour composite images
- Images and data can be used to plot High Conservation Value zones to ensure their protection
- Direct access to your audit data via vCapture's software-as-service platform allowing you to monitor operations and resolve non-conformities



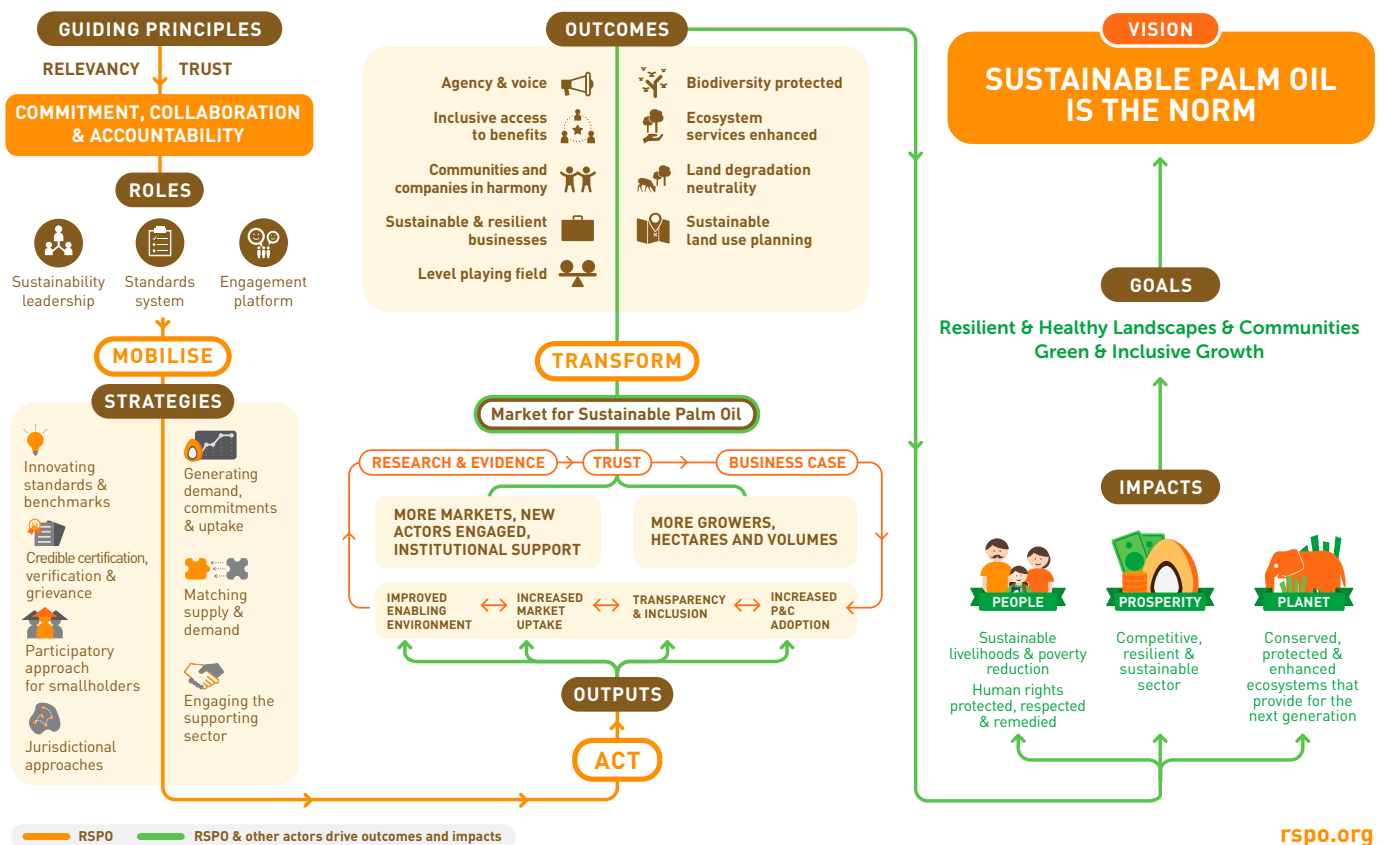
RSPO Theory of Change

BSI's Aerial Compliance Solution not only helps improve how audits are conducted and how information is managed, it can also align oil palm growers' practices to key outcomes included in the RSPO Theory of Change including:

- Greenhouse gas emission reductions
- Increased accountability of RSPO members
- Ecosystem and biodiversity protection
- Improved risk management
- Safe and decent work
- Sustainable and resilient business

RSPO | Roundtable on Sustainable Palm Oil

THEORY OF CHANGE RSPO'S ROADMAP FOR SUSTAINABLE PALM OIL



rspo.org



vCapture

A web-based viewer for 2-D imagery and 3-D models of large sites that supports:

- High Conservation Value zone plotting
- Monitoring of deforestation, tree health and/or invasive species
- Waste monitoring
- NCR plotting/digital confirmation of closure and compliance



“Through the use of drones and aerial data and analytics we are transforming audit delivery, agricultural operational management and improving transparency in programmes such as RSPO. Drone and satellite-based technologies aide in the assessment of oil palm plantations providing indisputable evidence of compliance with critical requirements around deforestation monitoring and High Conservation Value areas. In addition to compliance, the digital transformation of our auditing process helps our clients become more resilient through the value-added benefit of being able to use the collected data in their crop health and management activities.”

Dan Purtell, Director of Innovation, BSI



BSI Indonesia

Talavera Office Suite 20th Floor
Suite #01-06
Jl. TB Simatupang Kav. 22-26
Cilandak, Jakarta Selatan,
DKI Jakarta 12430
Tel: +62 21 80649 600
info.indonesia@bsigroup.com

BSI Malaysia

Suite 29.01, Level 29
The Gardens, North Tower,
Lingkar Syed Putra,
Mid Valley City, 59200
Kuala Lumpur
Tel: +60 3 9212 9638
info.malaysia@bsigroup.com

BSI Innovation

4150 N Drinkwater Blvd,
Scottsdale, Arizona
85251
Tel: +1-571-471-9070
innovate@bsigroup.com
[bsigroup.com](https://www.bsigroup.com)