

BIOFUELS

PUTTING ALL OF
OUR ENERGY INTO
TESTING YOURS



BUREAU
VERITAS





TOWARDS MORE SUSTAINABLE TRANSPORT WITH BIOFUELS

Bureau Veritas is already supporting biofuel clients now and into the future, scaling testing and inspection services for all industries, markets and end users.

Sustainable Aviation Fuel

We provide guidance on Sustainable Aviation Fuel blending and testing methods.

Quality Control

We support clients by testing Biofuels for road transportation such as Biodiesel or Bioethanol.

Circular Economy

We provide services to support the recycling of Used Cooking Oil and other waste feedstocks.

C-14 BIOGENIC ANALYSIS

FROM FOSSIL TO GREEN FUEL

Carbon 14 Biogenic Analysis

We test bio-based carbon content on renewable commodities.

Maritime Energy Transition

We advocate the reduction of Greenhouse Gases in the shipping and logistics industry.

Evolution Of New Testing Techniques

We evaluate and monitor the testing of animal fats, biomass and algae.

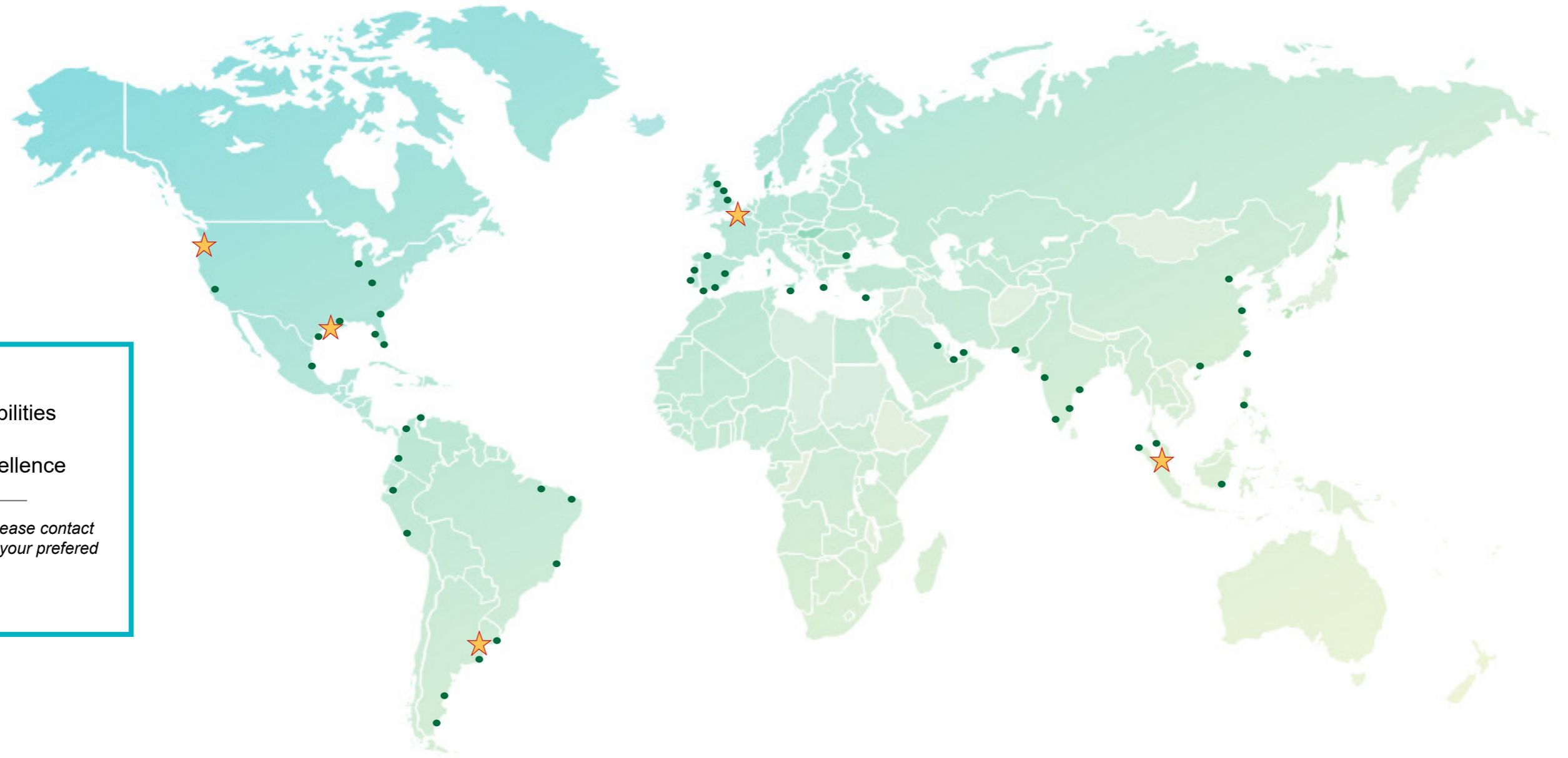
ISCC is global

Demonstrating the sustainability and compliance of biomass and biofuels with EU legal requirements.



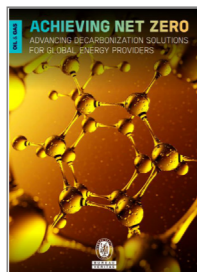
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BUREAU VERITAS BIOFUELS GLOBAL EXPERTISE



- Biofuels capabilities
- ★ Center of Excellence

Map as per June 2022, please contact us for any information on your preferred location.



ACHIEVING NET ZERO O&G

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BIOFUELS LIFECYCLE

1G

- Ethanol: Corn, Wheat Sugarcane, Molasses, Other grains (Low carbon intensity)
- BD/RD/RJ: Soybean oil/canola oil, Palm oil, Sunflower oil, Other vegetable oils (High carbon intensity)

2G

- Animal fats: Tallow, Pig fat, Poultry fat, Other fats
- Greases: UCO, DCO (Distillers corn oil), Palm by-products (PAO, PFAD, POME)

3-4G

- Novel vegetable oils (Cover crops, degraded land)
- Municipal solid waste
- Lignocellulosic residues (agriculture, forestry)
- Cellulosic energy crops
- Algae

WASTE AND FEEDSTOCK MANAGEMENT



CONVERTING INTO BIOFUELS



BLENDING & DISTRIBUTING BIOFUELS



- Bio-ethanol
- Biodiesel / FAME
- HVO
- SAF
- Bio-methanol
- Biogas
- Hydrogen

- Fermentation
- Oil extraction & Transesterification
- Hydroprocessing of esters and fatty acids (HEFA)
- Anaerobic digestion
- SIP, ATJ, CHJ, ...
- Gasification & Fischer-Tropsch
- POX (E-fuels)
- Power-to-X technologies



Bureau Veritas supports their clients along the full biofuels lifecycle, from feedstock to end-product.

BUREAU VERITAS CONFORMS TO THE REQUIREMENTS OUTLINED BY INDUSTRY STANDARDS INCLUDING (AND NOT LIMITED TO) FOSFA, NOFOTA, GAFTA, **BQ9000**; ASTM STANDARDS, D4806, D6751, D5798, D7467; ASTM D7566; AS WELL AS EUROPEAN STANDARDS EN14214, EN 15376, NPR-CEN/TS 15293; NEN NPR-CEN/TS 15912 AND DIN 51605. FURTHERMORE, WE HAVE EXPERTISE TO DEVELOP IN-HOUSE METHODS TO MEET OUR CLIENT'S NEEDS.



SHAPING A WORLD OF TRUST

Bureau Veritas is a Business to Business to Society company, contributing to transforming the world we live in. A world leader in testing, inspection and certification, we help clients across all industries address challenges in quality, health & safety, environmental protection and social responsibility.

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