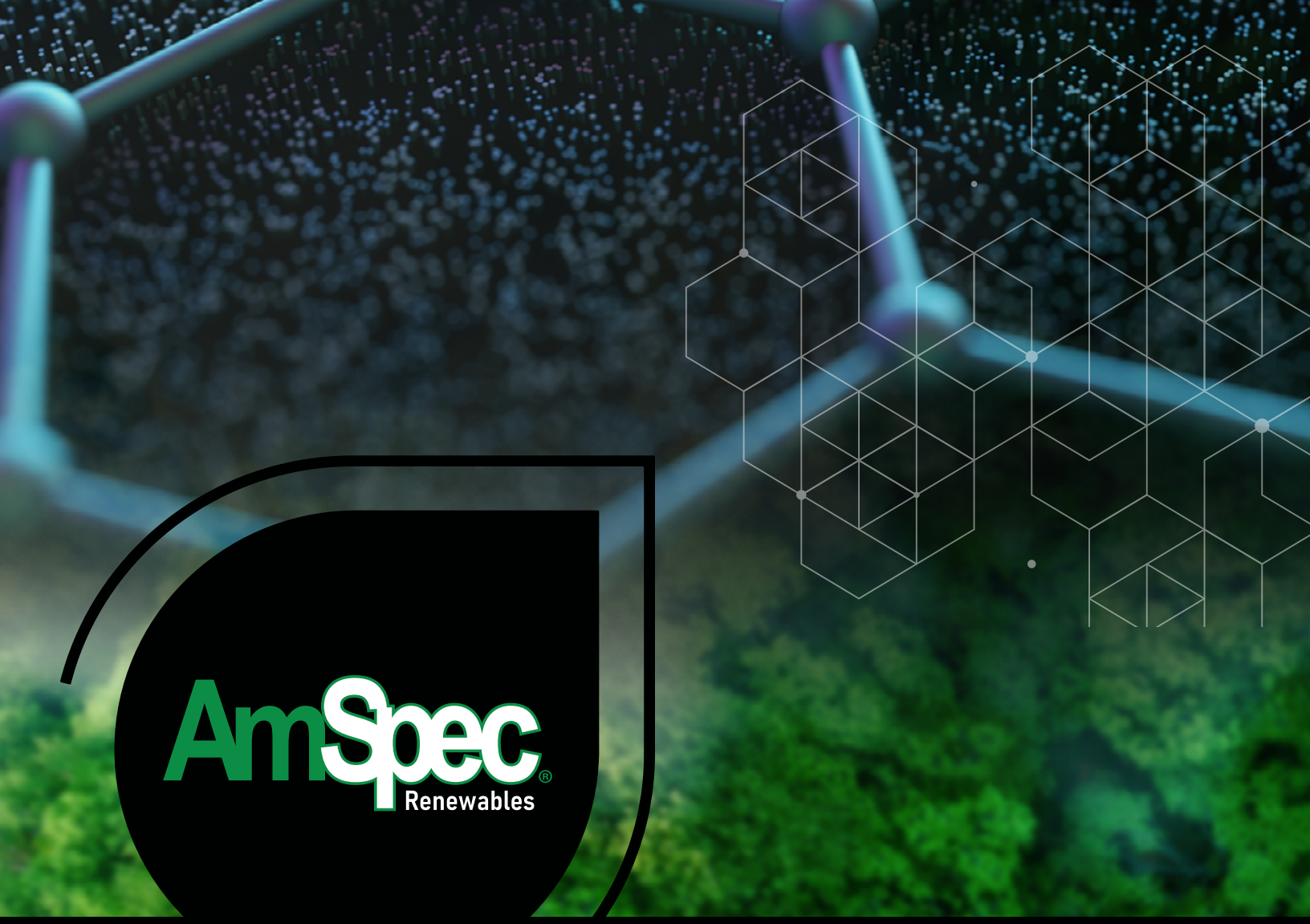


AMSPEC IS INVESTING IN THE FUTURE OF FUELS

AmSpec is proud become the first US Inspection company to offer **ASTM D6866- Radiocarbon Analysis**

Inquire with our renewables team for more information at:
Renewables@amspecgroup.com

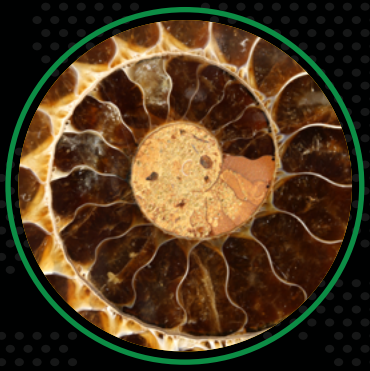
SERVICE FEATURES

AMSPEC - GLOBAL TESTING AND INSPECTION COMPANY

The US EPA, has incentivized the use of renewable fuels requiring our renewable producing customers to participate in a credit trading program.

Conventional refineries can generate credits through the co-processing of biomass feedstocks with conventional crude-oil feedstocks and produce the following Renewable Products:

+ Renewable Diesel
+ Renewable Gasoline and
+ Sustainable Aviation Fuel (SAF)



RADIOCARBON DATING

ASTM D6866 measures the amount of the 14C molecule within a renewable fuel sample.

+ Because these co-processed materials have identical chemical structure and physical properties as traditional petroleum materials, a new method for identification was needed
+ Crude feedstocks are fossil fuels, aged to a point where the radiocarbon isotopes (14C) are no longer detected
+ Renewable feedstocks are recently materialized biocomponents and contain an abundance of 14C isotopes
+ ASTM D6866 measures the percent modern carbon (pMC) and is used to determine the biogenic and biobased content of the renewable materials

AMSPEC HAS 3 LABORATORIES COMING ONLINE IN MARCH OF 2022:

+ SAN FRANCISCO, CA (Q2)
+ LOS ANGELES, CA (Q2)
+ HOUSTON, TEXAS (Q3)

FUELS SUITABLE FOR RADIOCARBON DATING ASTM D6866

+ BIO-ETHANOL
+ RENEWABLE DIESEL
+SYNTHETIC BIODIESEL/FAME (FATTY ACID METHYL ESTER)
+ HYDROTREATED VEG OIL (HVO)

AMSPEC ANTICIPATES 48HR TAT FOR TESTING CURRENTLY THERE IS ONE COMMERCIAL US LABORATORY CAPABLE OF RUNNING ASTM D6866 WITH TAT OF 10-14 DAYS