

36th IAA SYMPOSIUM ON SPACE POLICY, REGULATIONS AND ECONOMICS (E3)  
Space Economy Session – A focus on in-space operations and their potential to stimulate economic  
development (3)

Author: Mr. Cameron Herrera

Bryce Space and Technology, United States, reid.herrera@brycetechnology.com

Ms. Carissa Christensen

Bryce Space and Technology, United States, carissa.christensen@brycetechnology.com

Mr. Tom Stroup

Satellite Industry Association, United States, tstroup@sia.org

Mr. Anton Dolgoplov

Bryce Space and Technology, United States, anton.dolgoplov@brycetechnology.com

Mr. Fletcher Franklin

Bryce Space and Technology, United States, fletcher.franklin@brycetechnology.com

Mr. Ryan Puleo

Bryce Space and Technology, United States, ryan.puleo@brycetechnology.com

Mr. Phil Smith

Bryce Space and Technology, United States, phil.smith@brycetechnology.com

Ms. Carie Mullins

Bryce Space and Technology, United States, carie.mullins@brycetechnology.com

Ms. Emma Loudon

Bryce Space and Technology, United States, emma.loudon@yale.edu

ANALYSIS OF THE COMMERCIAL SATELLITE INDUSTRY: KEY INDICATORS, GLOBAL  
TRENDS, AND EMERGING SUSTAINABLE SPACE ACTIVITIES

**Abstract**

BryceTech conducts an annual study of the satellite industry's economic performance for the Satellite Industry Association (SIA). The study is derived from surveys of nearly 100 companies, including 50 SIA members, supplemented with unique data sets, in-depth public information, and independent analysis. Key satellite industry sectors are assessed, including satellite services (television, radio, broadband, fixed and mobile satellite communication services, remote sensing, and sustainable satellite activities), manufacturing, ground equipment, and launch services. The study is the most accurate available assessment of the global satellite industry and trends within its segments. The study provides objective measures of the satellite industry to aid communication with policy makers, regulators, legislators, investors, and other industry stakeholders.

The study results reveal global satellite industry revenue in 2022 (about \$279 billion in 2021). Results present satellite industry revenues in the context of the broader space economy and across the industry value chain. In each segment, overall revenue, growth rates, and international geographic distribution are analyzed, and trends are discussed. Additional analysis of revenue and contract data offers valuable insight into international market dynamics. The paper covers the period from 2018 through 2022. Analysis includes assessments of the dynamics and trends regarding the growth of active on orbit satcom capacity (high-throughput capacity in GEO and new LEO broadband capacity), the diverse heritage of and new emerging start ups in remote sensing systems and services, and the continuing growth of smallsat activity.

The study discusses revenues generated by sustainable space activities, including satellite servicing, active debris removal, and space traffic management services. The paper documents the activities and trends driving this emerging segment of the satellite industry.