

Satellites

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What are satellites used for?

Technology Demonstration

Earth Science

Space Science

Communications/Technology Development

Space Observation

Technology Development

Communications

Earth Observation

Communications/Navigation

Mission Extension Technology

Earth Observation/Technology Development

Navigation/Global Positioning

Navigation/Regional Positioning

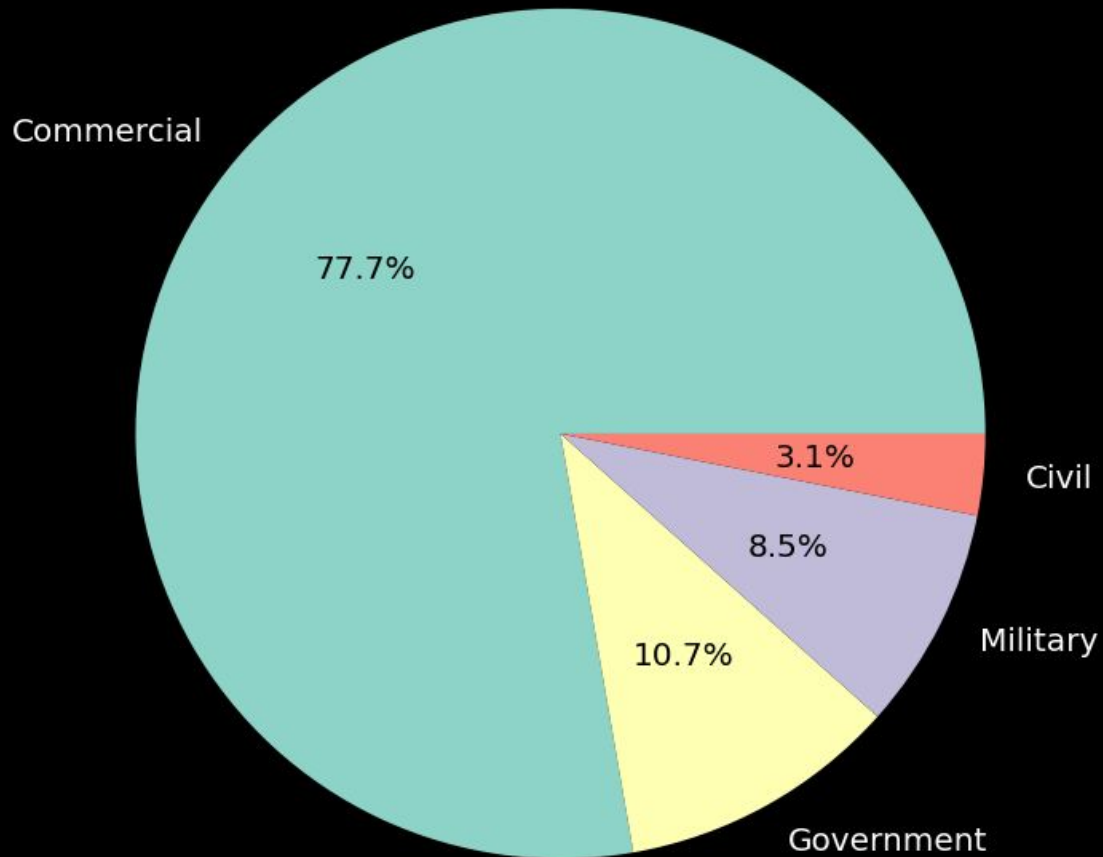
Earth Observation

Earth Observation/Communications

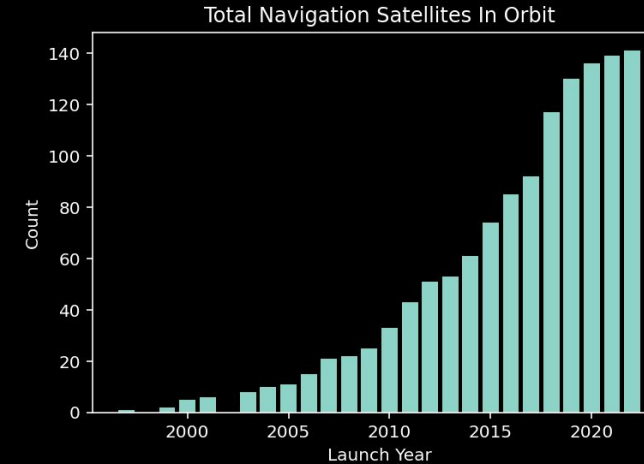
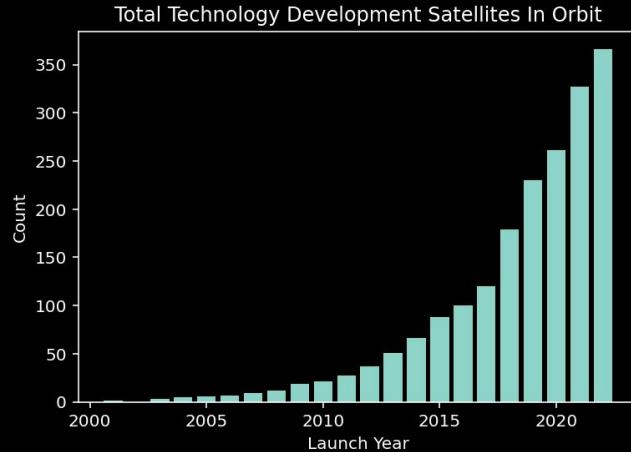
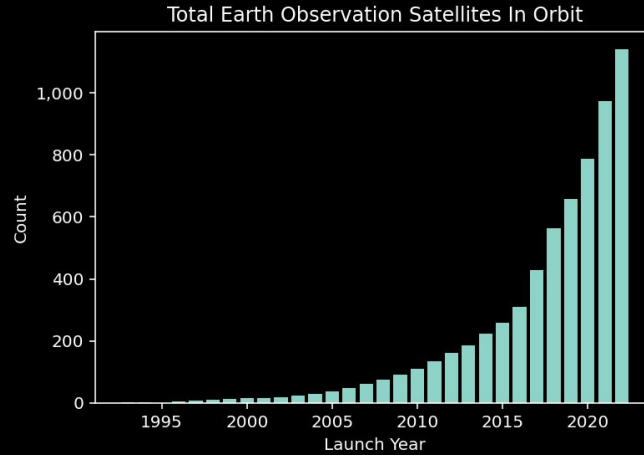
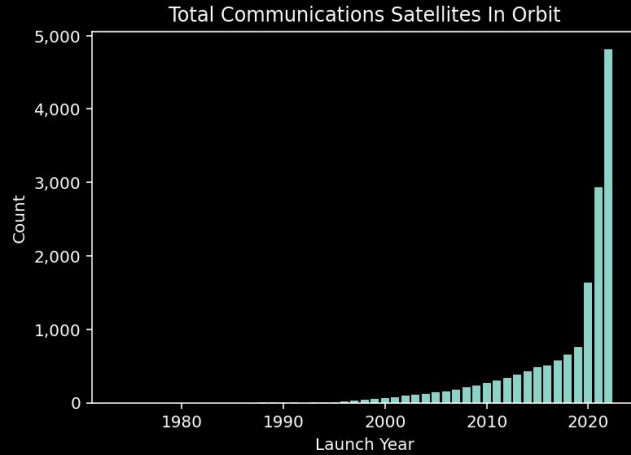
Earth Observation/Communications/Space Science

Surveillance

Satellite purpose by sector



How many are up there?

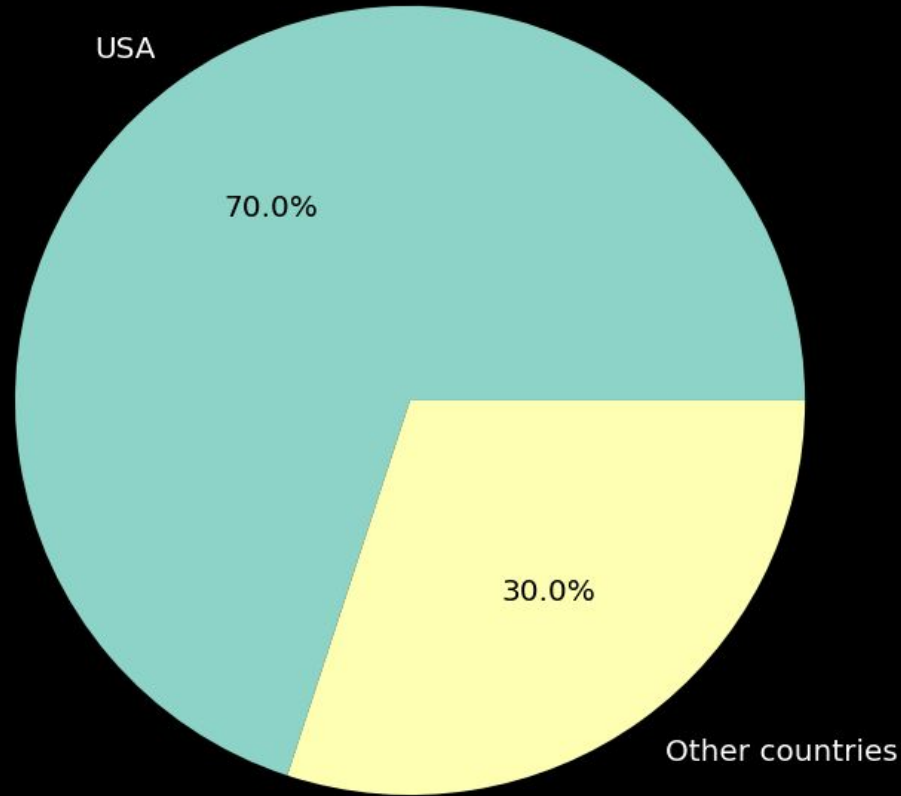


What organizations own the most satellites?

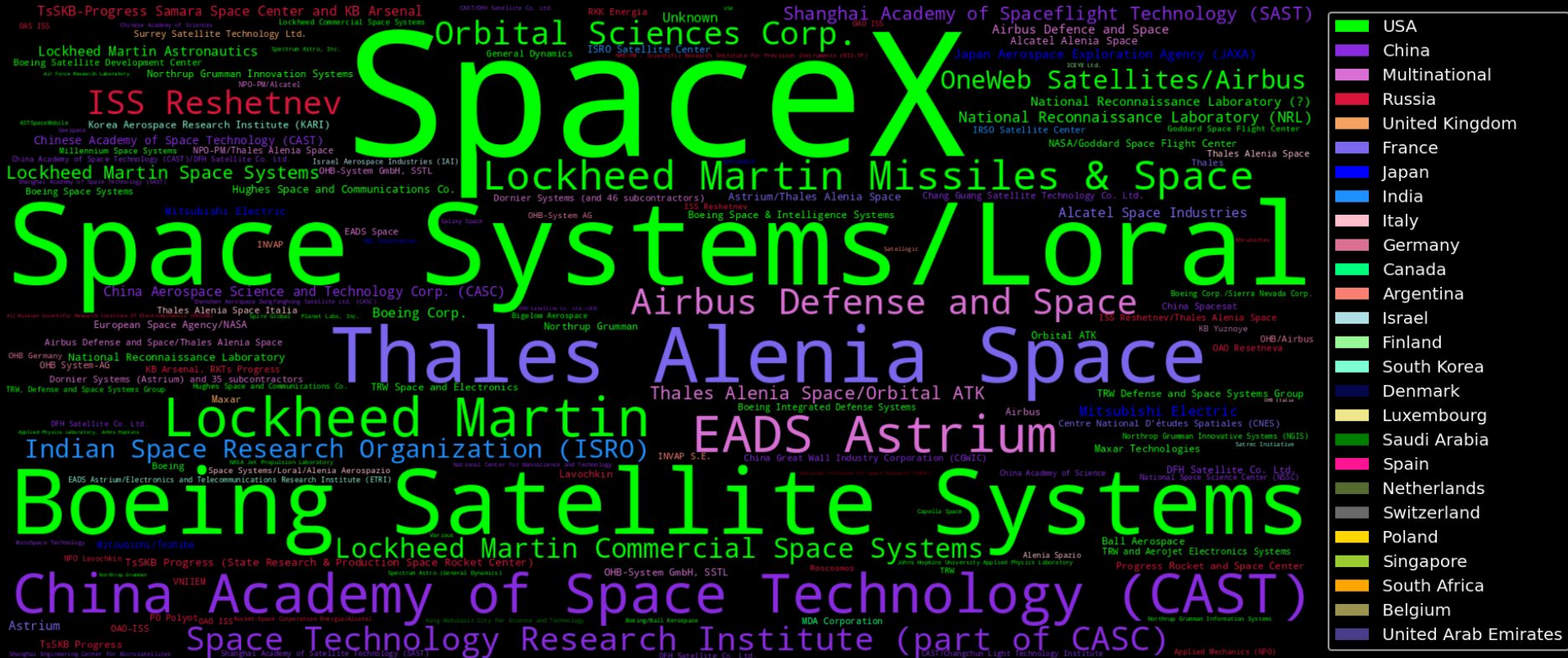


(scaled by total mass)

What country owns the most satellites?

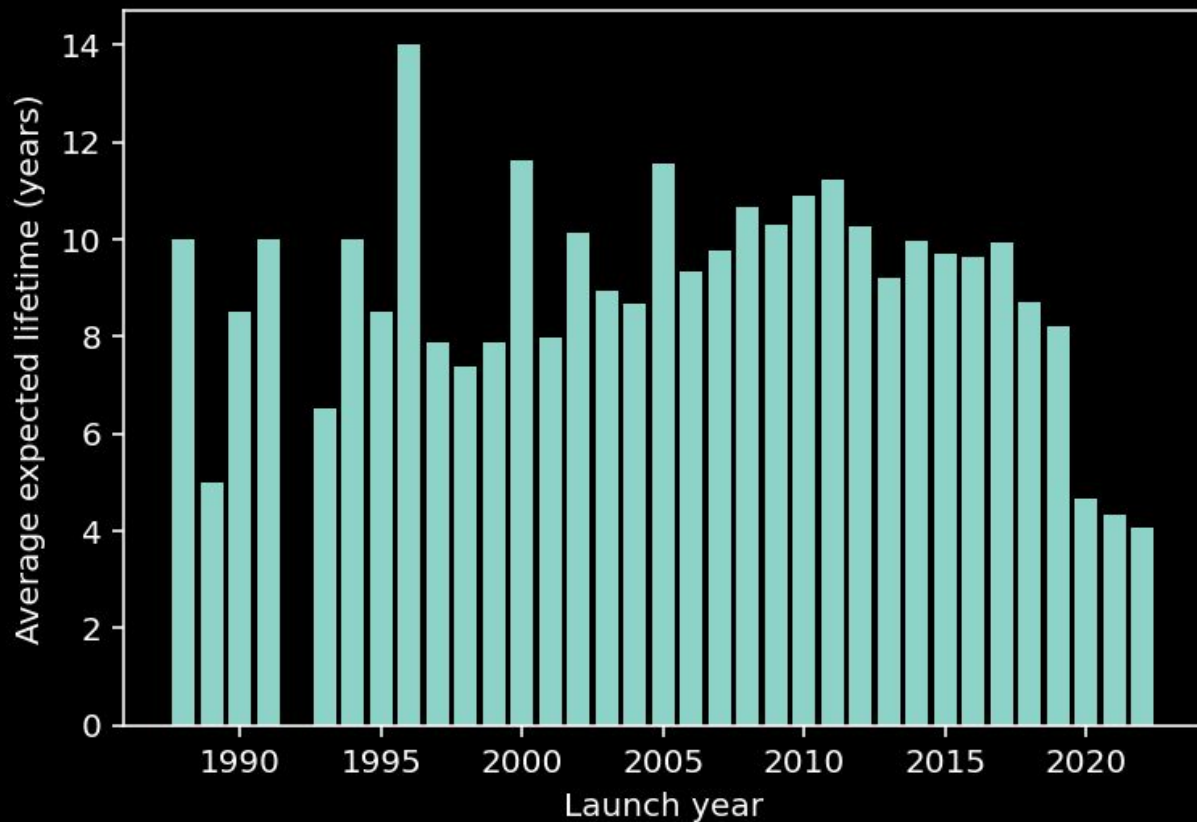


Who manufactured them?



(scaled by total mass)

How long are satellites made to last?



Recommendations

DODGE

Enhance collision avoidance systems.

DE-ORBIT

Promote de-orbiting mechanisms for satellite end-of-life.

DEVELOP

Invest in R&D for satellite durability and longevity.