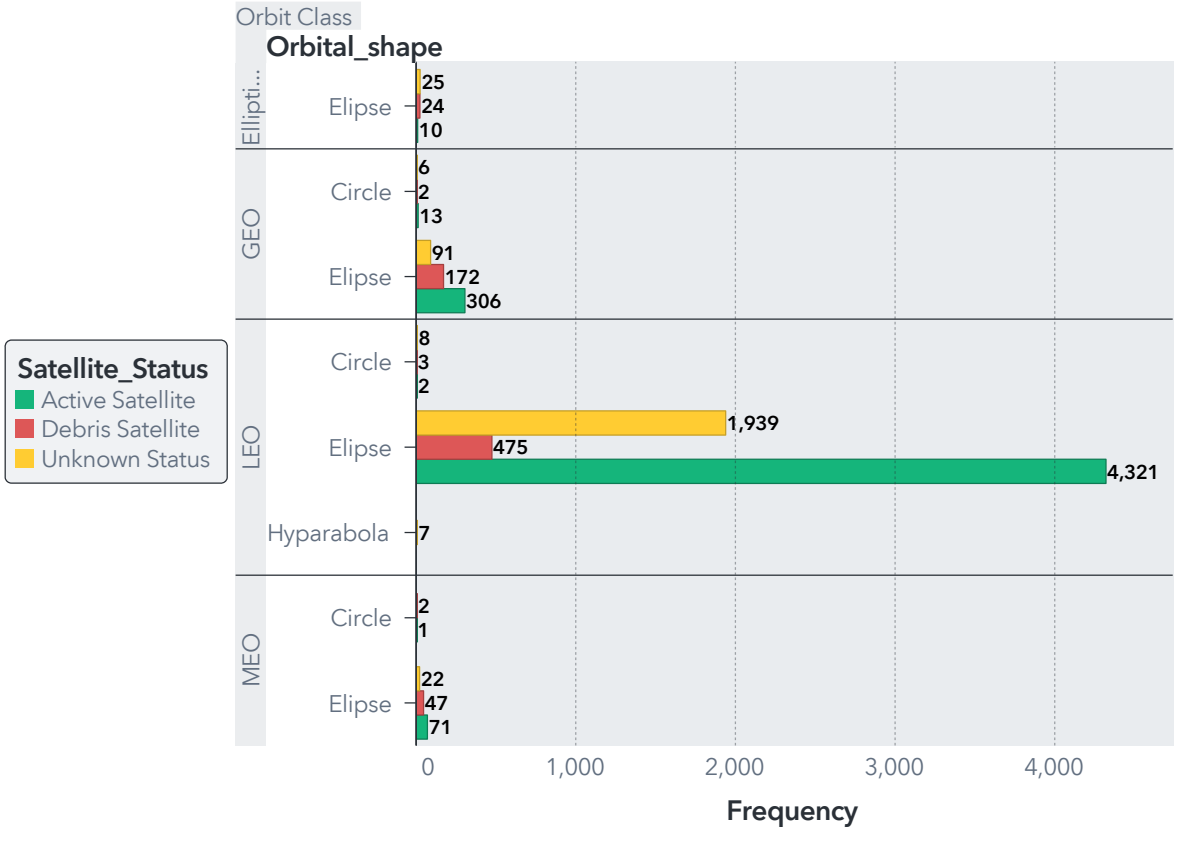
Frequency of Orbital shape in each class grouped by Satellite Status



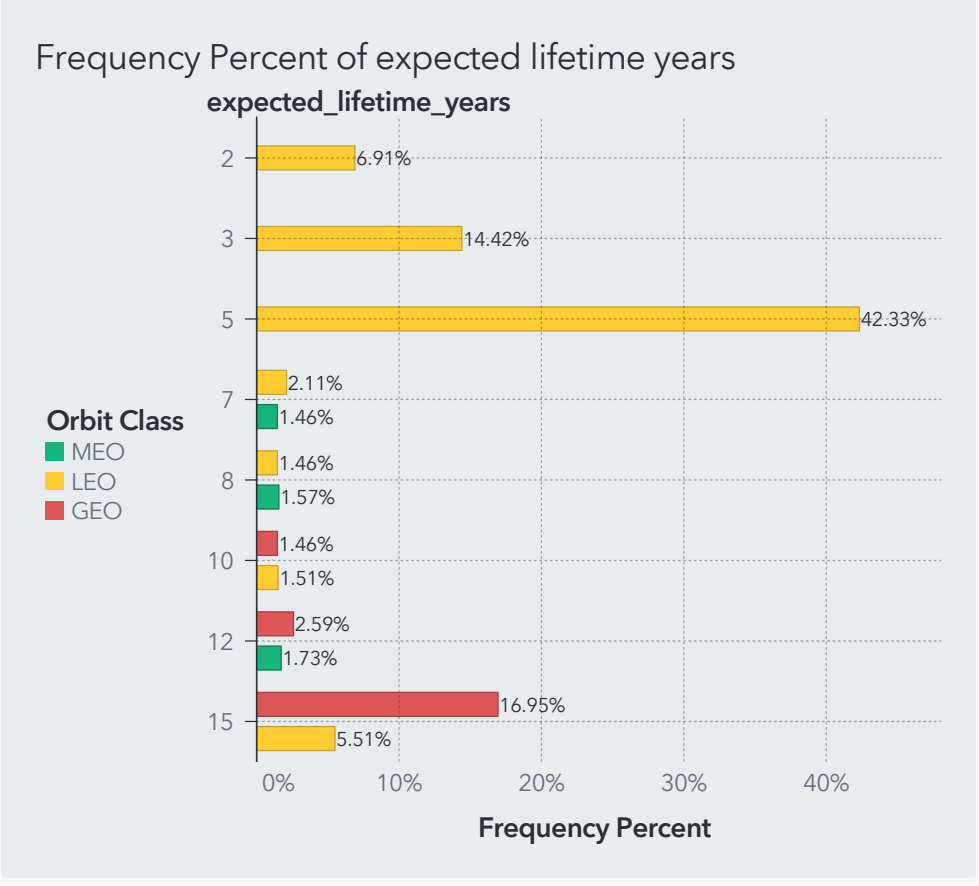
Frequency

4.7K

Satellite_Status: Active Satellite

The bar chart provides a visual representation of how different orbital shapes are distributed across various states of satellites.

By analyzing the graph, it shows us how much we need to find a way that **enables us to use the rest of the classes and their shapes to meet our needs or use the rest of the shapes of LEO,** which increases the period of its use before we lose it !



The chart summarizes the expected lifespan of satellites across different orbital shapes.

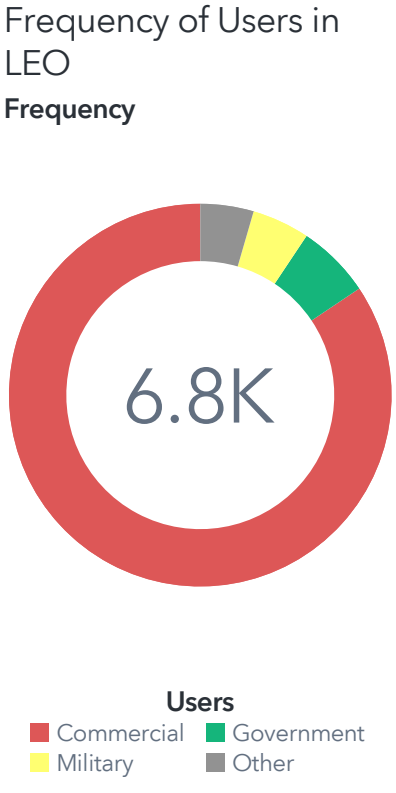
As shown, it appears to us that the **majority of satellites launched in LEO range in life time between 2 - 5 years.** When comparing these periods with the life periods of satellites launched in **GEO**, which range between **10 - 15** years, and the majority of them reach 15 years, **it becomes clear to us how important it is to increase the satellites launched in class GEO.**

It can also be seen that the launched satellites in the **MEO class range from 7 to 12 years of operation** , **which is a good rate compared to the lifespan of the majority of LEO satellites.**

	Satellite_Status ▲	Active Satellite	Debris Satellite	Unknown Status
Orbit Class ▲	OPERATOR OWNER COUNRTY ▼	Frequency	Frequency ▼	Frequency
LEO	USA	3,624	235	1,058
	Russia	14	51	37
	China	40	31	431
	Japan	6	24	30
	United Kingdom	593	1	16

Each cell in the table represents the count of satellites falling under specific statuses within the corresponding combination of orbit class and operator owner country.

In the **GEO** list, we find that the **USA** also controls a large percentage of the satellites,but we find that **there are more countries that share the percentage of satellites in this orbit.**



	Satellite_Status ▲	Active Satellite	Debris Satellite	Unknown Status
Orbit Class ▼	OPERATOR OWNER COUNRTY ▼	Frequency	Frequency	Frequency
GEO	USA	66	78	40
	United Kingdom	11	9	1
	Russia	22	8	5
	Multinational	34	17	1
	Luxembourg	27	8	—
	Japan	17	6	2
	India	25	3	1
	China	34	13	36

In the **LEO** list, we find that the USA is in control of the majority of the satellites launched in it, and **in general it owns the vast majority of all satellites.**