

**FINAL**

# Space Elevator Architecture

**Architecture Note #30**

## ***The Space Mosaic***

*The Space Elevator Transportation System will find its place - in the midst of the many people, and many things, and in many places in space.*

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## **Personal Prolog**

This is an Architecture Note. It is the opinion of the Chief Architect. It represents an effort to document ongoing science and engineering discussions. It is one of many to be published over time. Most importantly, it is a sincere effort to be the diary, or the chronicle, of the multitude of our technical considerations as we progress; along the pathway developing the Space Elevator.

Michael A. Fitzgerald

## **The Space Mosaic and the Galactic Harbour**

I have a very close friend; a retired priest. Yes, a retired one; about as retired as I am. At any rate, my friend is very wise; based on his experiences over the last 50 years or so. His job was saving souls, and he was good at it. About eight years ago, he said something to me that turned out to have a quite an impact. I was engaged in a problem solving study for my Air Force; and was getting frustrated with it. “Michael”, he said; “Stop looking at all those little pieces that are messed up or incomplete. Think about the whole thing – the total mosaic.”

Here I am today, explaining the development process to an incredibly smart group of people who believe fervently that the Space Elevator Transportation System is the answer. What I am finding is that they see it is an answer to a number of different **things**, would be used by a number of different **people**, for a number of different **purposes**. Huh?! The point is that things, people, and purposes are the little pieces in the total mosaic that my retired priest/friend was talking about – the pieces make the mosaic.

Let's try making some lists, and see what this mosaic of space might be with Galactic Harbours in the mosaic

### **Galactic Harbours – as Things**

- Space system
- 21<sup>st</sup> Century Transportation system
- Safe, efficient, reliable departure from Earth
- Interplanetary travel system

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### **Galactic Harbour People**

- Astronauts
- Explorers
- Entrepreneurs
- Maintainers
- First Responders
- Government bureaucrats
- Researchers

### **Galactic Harbour Purposes**

- Environmental preservation
- Enterprise
- Humankind's venue to the solar system
- Mining exotic materials
- Protecting Earth's Habitat
- Going where no one has

### **Another impressive list, ... still incomplete**

There are undoubtedly dozens of additions to each list, and each deserve a discussion about how the Galactic Harbour can assist each of them as they pursue their future. Each are unique, each are essential, each contribute to the Galactic Harbours, and each are members of the Space Mosaic.

### **In Closing**

I can hardly believe just how important this is. Thank you all. Just saying. 😊

Fitzer