

## 2018 MATE INTERNATIONAL COMPETITION SECRET (BONUS!!!) MISSION

*Hard work and determination were common characteristics of sailors on board the USS Indianapolis during World War II, and hard work and determination – as well as collaboration – is what it took Paul Allen's team to find it 72 years later.*

The USS *Indianapolis* had just completed its own secret mission of delivering parts and enriched uranium for the atomic bomb that would later be dropped on Hiroshima when it was torpedoed by a Japanese submarine on July 30, 1945. Struck on her starboard side by two torpedoes, she sank in 12 minutes. About 300 sailors went down with the ship; the remaining 900 others faced exposure, dehydration, saltwater poisoning, and shark attacks while floating with few lifeboats and almost no food or water. Only 316 survived.



Fast-forward 70+ years later. Paul Allen, co-founder of Microsoft, financed an expedition crew to search for the wreckage. On August 19, 2017 the *Indianapolis* was found 5,500 meters below the surface, resting on the floor of the Philippine Sea. “To be able to honor the brave men of the *USS Indianapolis* and their families through the discovery of a ship that played such a significant role during World War II is truly humbling,” Mr. Allen said. Indeed it is.



### RESOURCES:

[https://en.wikipedia.org/wiki/USS\\_Indianapolis\\_\(CA-35\)](https://en.wikipedia.org/wiki/USS_Indianapolis_(CA-35))

<https://www.paulallen.com/wreckage-from-uss-indianapolis-located-in-philippine-sea/>

**And now we challenge YOU to work in collaboration with your fellow competitors to piece together the remains of the *USS Indianapolis*.**

**This is your SECRET MISSION, if you choose to accept it...**

#### **MISSION NOTES**

Each company will receive a square puzzle piece made out of corrugated plastic with a section of the overall image of the *USS Indianapolis* printed on it. A #310 U-bolt will be set into the center of the puzzle piece as a grab point. Companies will receive their puzzle piece and an overall image of the *USS Indianapolis* during competition check in. Companies can then examine their puzzle piece and the overall diagram to determine where their piece fits into the puzzle.

On Saturday morning, companies will get one chance to place their puzzle piece into the *USS Indianapolis* puzzle. Up to five companies (a mix of RANGER and EXPLORER class) will be attempting to place their puzzle pieces simultaneously into one puzzle. Companies will have 10 minutes to place their piece. Companies will have 5 minutes to set up and 3 minutes to demobilize their ROV.

Companies may only place their own puzzle piece; they cannot place another company's piece into the puzzle. However, companies may assist other companies by providing directions and guidance, or returning a dropped puzzle piece to the surface (only if asked). However, companies should not interfere with another company placing their own puzzle piece.

Companies will receive 5 points for placing their puzzle piece. Orientation of the puzzle piece matters! It must be oriented correctly to match the overall image.

Companies will receive additional points depending on the total number of puzzle pieces placed by all companies. Points will be awarded as follows:

- 0 to 10 pieces placed: 0 points
- 11 to 30 pieces placed: 5 points
- 31 to 45 pieces placed: 10 points
- 46 to 64 pieces placed: 15 points
- All 65 pieces placed: 20 points

So, each company can receive up to a total of 25 bonus points. These points will be added to each company's total, overall score.