

# 2022

Creative Award

## Staff Innovation Disclosure

### Long-Term Uninterruptible Power Supply

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*Inventors:*

Jay Helmericks and Lukas Blom

- Developed by Jay Helmericks (Lead Engineer) and Lukas Blom (Operations Manager), both staff at the Wilson Alaska Technical Center
- An uninterruptible power supply (UPS) was needed to provide backup power on the order of days for electronic systems during main power source outages. Current solutions were not lasting long enough in remote locations.
- To address this problem, UAF staff designed and built a long-term UPS with higher reliability and remote monitoring capabilities.



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