

## Recon. Team - Tim, Gavin and Michael



# NSF

## ST AIMS Project Scope

B155

#### **Lodging Facility**

285 Beds

#### **Emergency Operations**

- Firehouse with 3 bays
- Medical Facility
- Gym/Mass Casualty Space

#### **Central Services Building**

- Administrative/Station Support
- Auditorium and collaboration space
- Circulation space
- Dining, food services, retail, chapel
- Furniture, Fixtures and Equip (FF&E)
- Enclosed walkway to Field Science
- Ground-level build-out
- Architectural features

#### Vehicle Equipment Ops Center

- 5 heavy and 1 light service bays
- Cold and warm warehouses
- Wash bay and support facilities
- Administrative offices, shop space

#### **Trades Building**

- Light industrial trades and craft materials
- High-density storage racking and FF&E

#### **Field Science Support**

- Field gear issue/return/cleaning/repair
- Field safety training and staging
- Station cargo operations, Ice core storage
- Covered concourse for staging

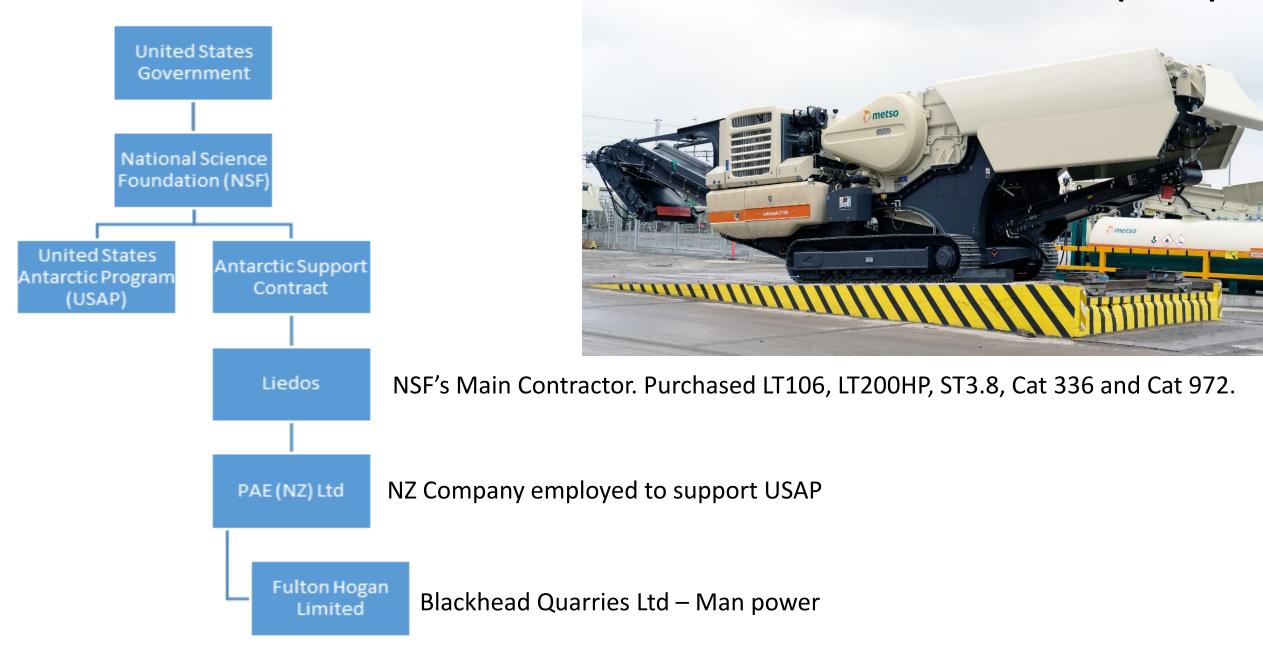
Utilities - Water tank / pump house, Utility mains to new buildings, Electrical feeder upgrades, site drainage

## Facts & Figures

- Produce 66,000yd3 of 2 ½ " (50 000 m3 of AP65) for foundations for 6 new buildings.
- Two deployments to the ice First January 2020, second TBC. (Warmer and day light)
- For every scientist there is a support person, at the peak of the season the base can have a population of 1200 people. Only around 80 people winter over. (Max population at Scott Base 100)
- Before anyone is given a ticket to fly there is a rigorous medical to pass - Personal Qualification (PQ)
- Communication almost nil, internet at dial up speed and very limited, no streaming allowed, cell phones only any good as cameras.



### **Team to deliver - Antarctic Infrastructure Modernisation for Science (AIMS)**











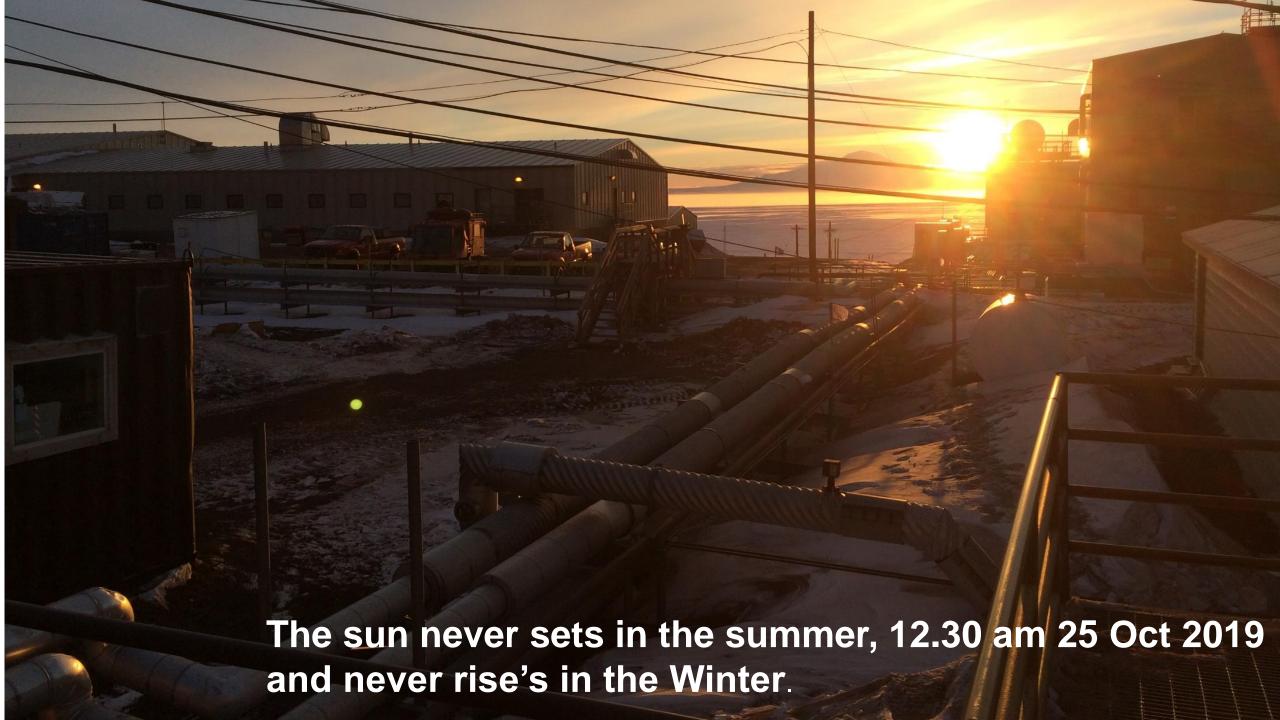








These channels don't change, so please don't push buttons. Thanks!







McMurdo Station 2.43pm 5 May 2021

McMurdo Station 11.43am 16 April 2021

https://www.usap.gov/videoclipsandmaps/mcmwebcam.cfm?t=1



McMurdo Station 2.43pm 5 May 2021

## Time to be a Tourist, Scott's hut in the mid ground





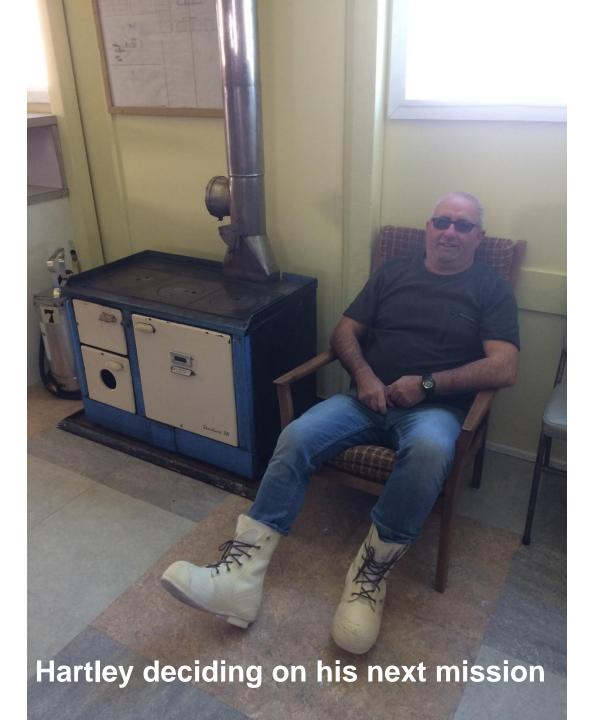
















Home bound in the C17 most of the other passengers had wintered over at the South Pole

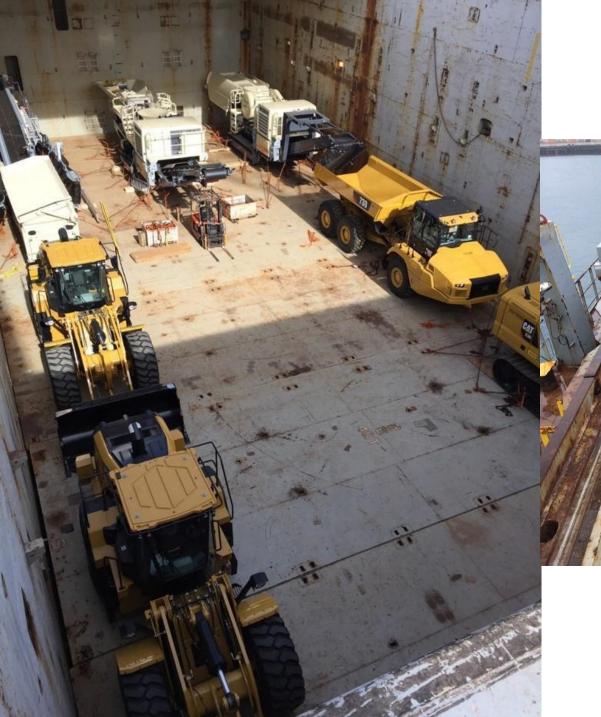












## **Most heavy Plant arrives by sea**



































Thanks to Fulton Hogan Ltd & Blackhead Quarries Ltd for the once in a life time opportunity. Who would have thought a career in quarrying would take you to Antarctica!!!!!!!

