

# **TFS Science Support**

- **Main Categories of Science Support at Toolik Field Station**
  - **Science gadget & widget fabrication support**
  - **Lab equipment repair & setup**
  - **In-field “technical support” assistance**
  - **Vehicles (trucks, boats, snowmachines)**
  - **Support covers science users, EDC & GIS**

# **TFS Science Support**

- **Science gadget and widget fabrication support**
  - **Design and construction of various brackets, holders, stands, gauges and other parts for scientific equipment**
  - **Assistance and training for production of larger or quantity items**
  - **Material & parts supply for various projects**

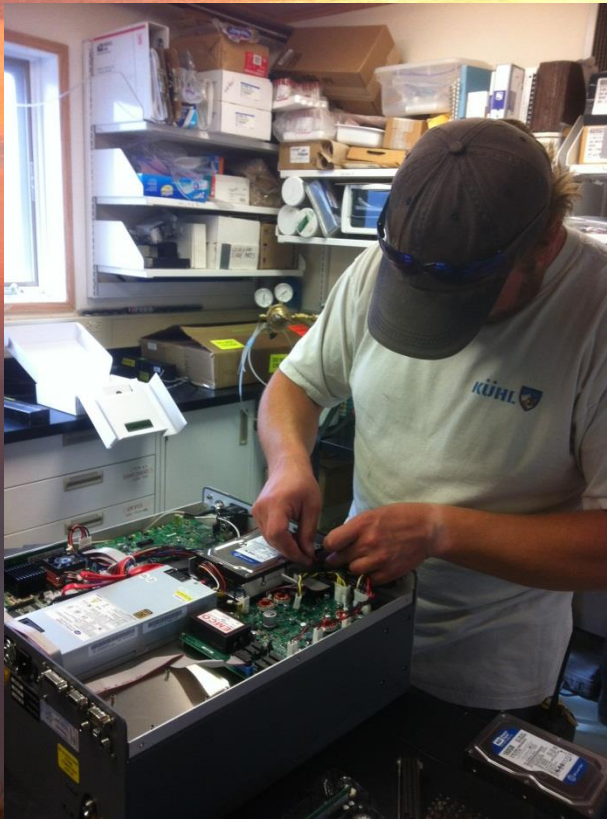


# **TFS Science Support**

- **Lab equipment repair & setup**
  - **Chiller & freezer maintenance & repair**
  - **Repair of basic science equipment**
  - **Setup/take-down of gas bottles, vacuum pumps, water systems and other equipment**



# TFS Science Support



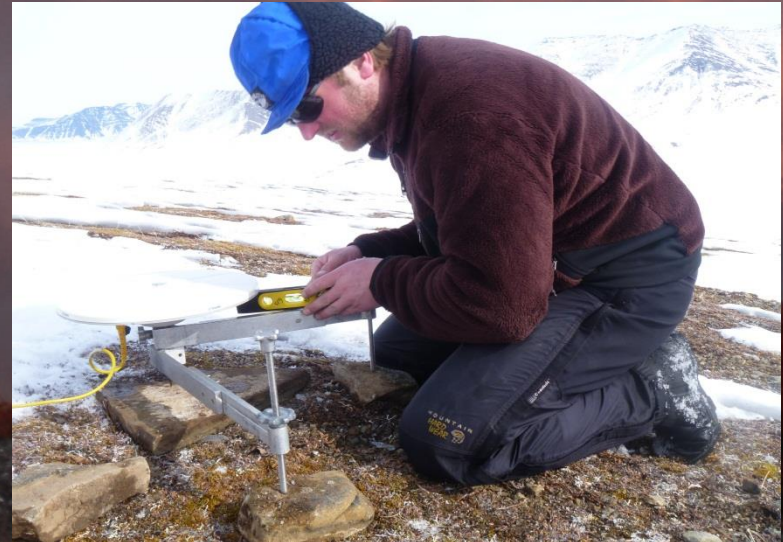


# **TFS Science Support**

- **“Technical Support”**
  - **Somewhat of a new service**
  - **Can be both in the field and in camp**
  - **Assistance in design, construction and training on renewable energy power systems**
  - **Troubleshooting and repair of field components (Campbell Sci., wind, solar and battery systems, and other parts)**



# TFS Science Support





# **TFS Science Support**

- **Trucks - (UAF/IAB, MBL, CPS, & NSF rigs)**
  - **On-site scheduling, driver orientation, and sign-in/sign-out of IAB and NSF vehicles**
  - **Vehicle fueling**
  - **Preventative maintenance & cleaning**
  - **Vehicle repairs & troubleshooting**

# **TFS Science Support**

- **IAB & MBL Boats**

- **Seasonal deployment & retrieval of boats, motors, and docks**
- **Preventative maintenance & cleaning**
- **Motor repairs & troubleshooting**



# TFS Science Support





# **TFS Science Support**

- **Snowmachines**

- **Scheduling, driver orientation & training, and sign-in/sign-out of machines & sleds**
- **Preventative maintenance & cleaning**
- **Machine repairs & troubleshooting**
- **Heavy material hauling & trailbreaking**
- **Field assistance and recovery**



# TFS Science Support





# **TFS Science Support**

- **Looking towards the future...**
  - **Day to day operations and services offered expected to remain very similar**
  - **Increase staff training and expertise to offer better coverage**
  - **Improve staff efficiency to allow more services with a similar staffing level**



# **TFS Science Support**

- **Looking towards the future...**
  - **Supplement and replace some of our boats and snowmachines**
  - **Rollover of some EDC equipment to our department for smoother early season operations (RO/DI water, ovens, etc.)**
  - **Increase in off-pad and autonomous winter project support**
  - **Improve Science Support Services website**

# **TFS Science Support**

**Questions?  
Ideas?**

