The Benefits and Flexibility of Mobile Munitions Demilitarisation Systems
Presented jointly by

• David Hopps
  • Managing Director
  • DHA Global Ltd

• Kenn Underwood
  • Managing Director
  • EOD Solutions Ltd
TRADS
TRAnsportable Ammunition Destruction System
Camp Bastion Deployment
Bagram Deployment
Ammunition
Destruction
System

- Continuous throughput of ammunition for up to 8 hrs per day for 5 days followed by 1 day cleaning.
- Fuel usage approx 100-120 litres per day
- A mixture of SAA is more efficient
- Lime – 12 kg/day
- Urea - 25kg/day
- Scrap flows into container for further processing as appropriate
TRADS 20 Batch Furnace
Current Emission Standards

• Currently uses ceramic filter which meets EU emission standard EU 2007
• Ceramic filter enables gas temperature of up to 900°C or 1650°F
• Continuous monitoring of emissions is possible
Future Emission Standards

• The inclusion of a Catalytic Filter will enable TRADS to meet most States EPA Environmental Standards.

• Additional scrubber can be added to absorb large concentrations of heavy metals if required
Self Cleaning Ceramic Filters
Large Scale Ceramic Filtration
Advantages of Mobile Facilities

- No movement of ammunition
- Rapid on-site deployment
- Single unit can cover multiple sites
- Limited licencing requirements
- Sites own manpower to provide labour
- Limited infrastructure required
- Client retains control of scrap
- Simple to operate and maintain
The Future

• Expand capability based on core elements – burner and filtration systems
  – Pyrotechnics
  – Incorporate cryogenic freezing/fracturing module
  – White Phosphorous using chemical separation process*
  – Propellants
  – Scrap separator
  – Hydro abrasive cutting and flushing
  – Car bottom furnace for washed out shells
White Phosphorous

Conversion to usable commodity
Questions?