



FENIX
INSIGHT

LANDMINE SURROGATES

Colin King

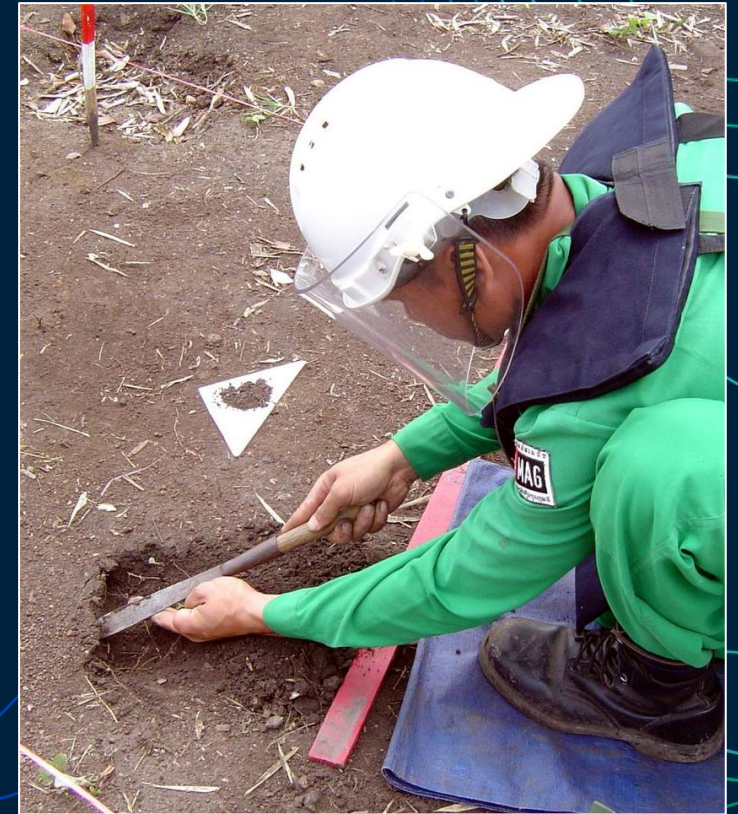
Education



Detection



Demining



Education



Detection



Demining



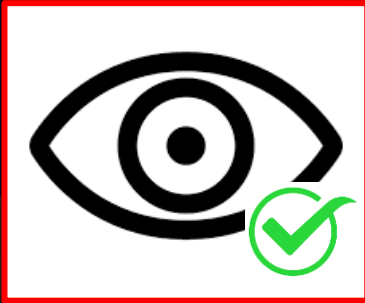
Rapid clearance



Research



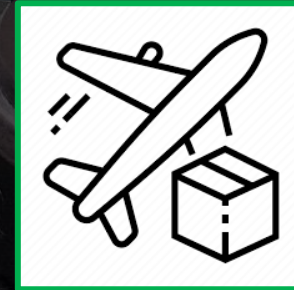
DESIRABLE CHARACTERISTICS



Realistic appearance



Correct metal content



Air cargo



Affordability



Strength



Light



Fillable

Inert real mines



3D printing



Moulding



3D printing



- Does not need original
- Widely available tech
- Good for complex parts



- Hard to colour match
- Poor surface texture
- Often not realistic



Moulding



- Good colour match
- Exact surface texture
- Easy to incorporate metal



- Needs an original mine
- More resources needed
- Relatively skilled work



Moulding



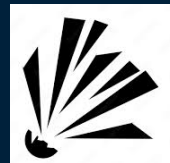
- Easy to add realistic ageing effects



Reactive surrogates



Electric

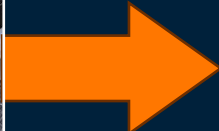


Explosive

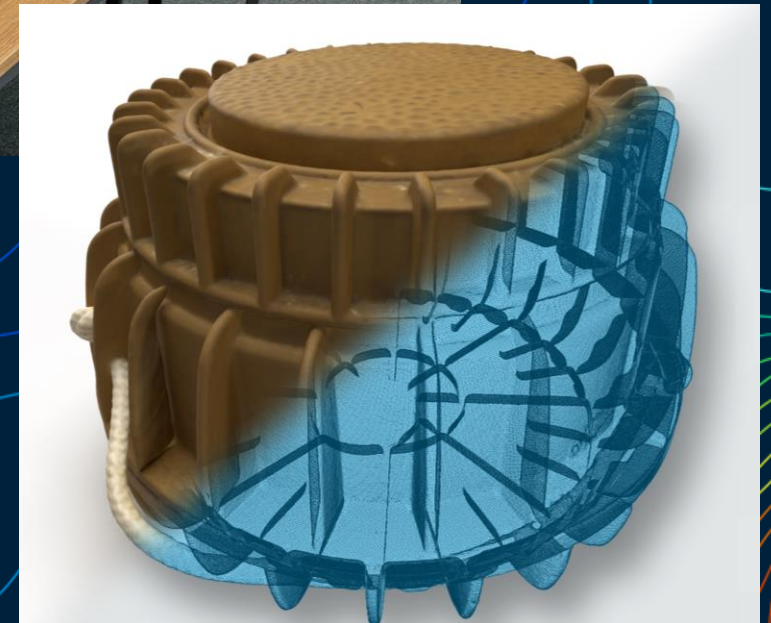




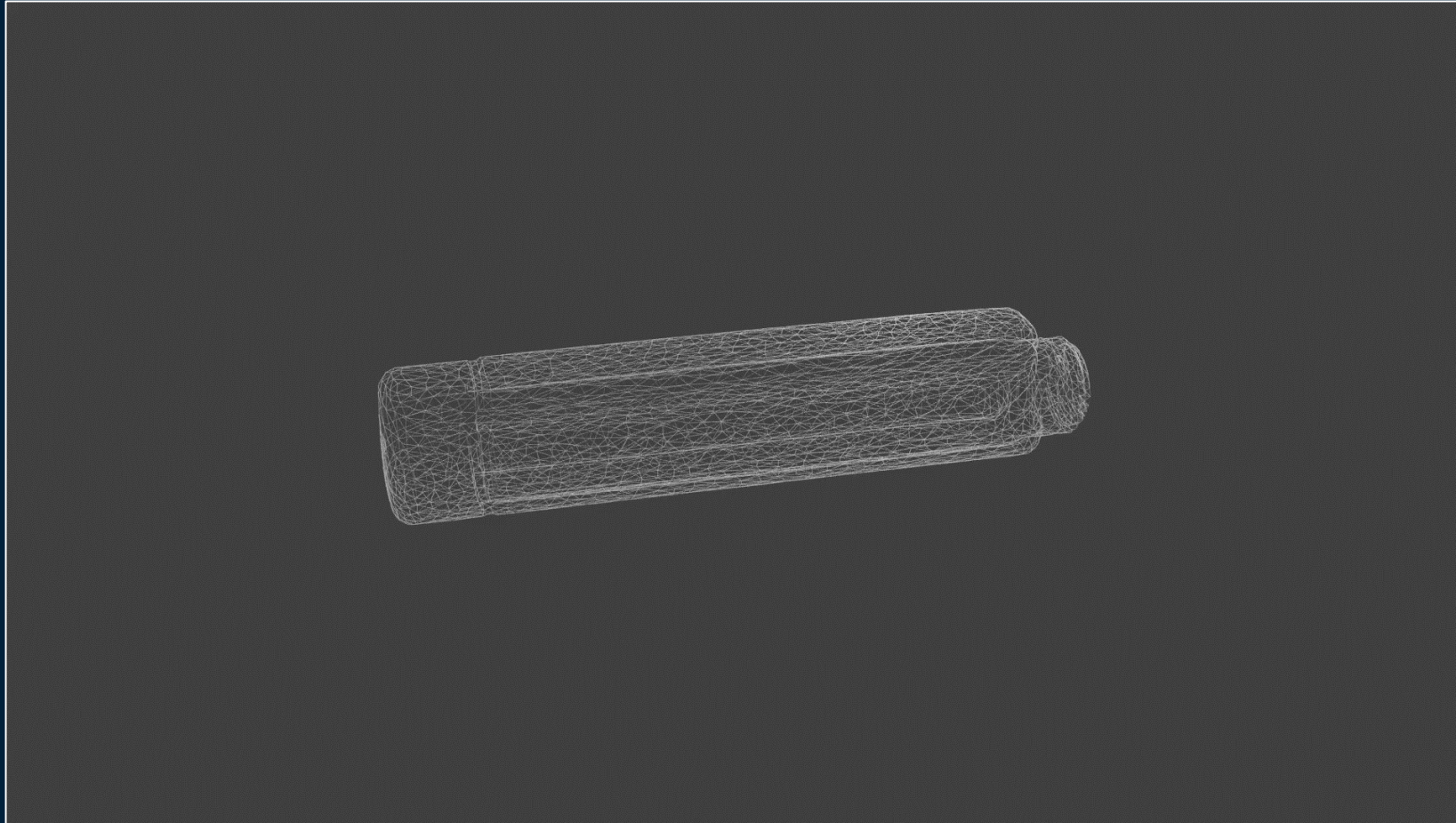
Hardware library



Scanning /
photogrammetry



Rendering



QUESTIONS?

