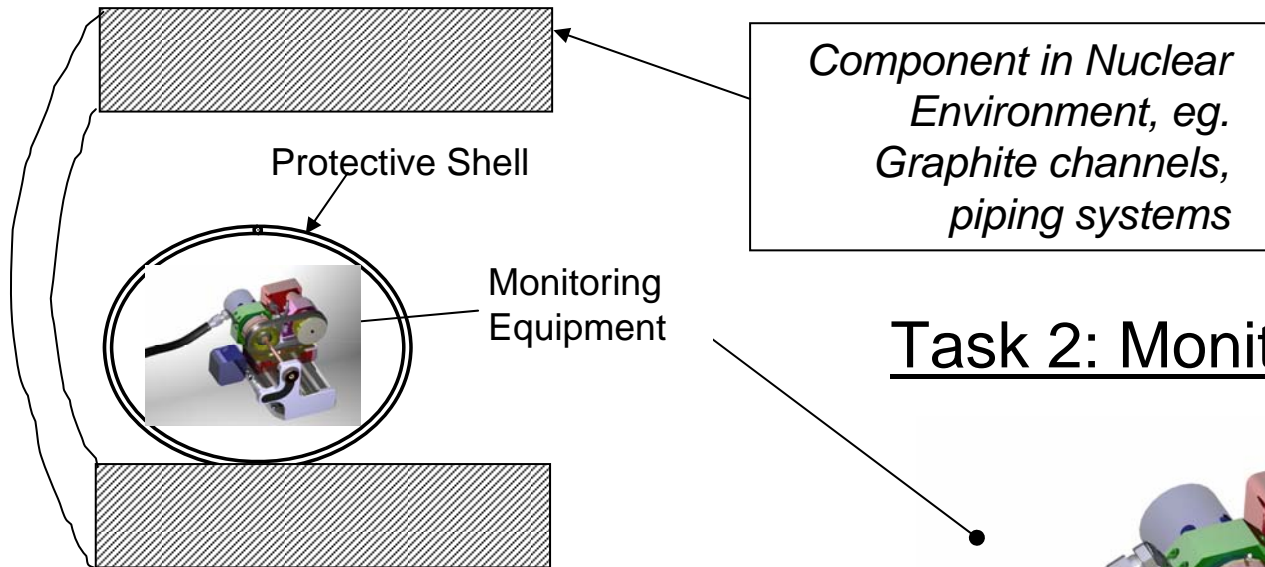


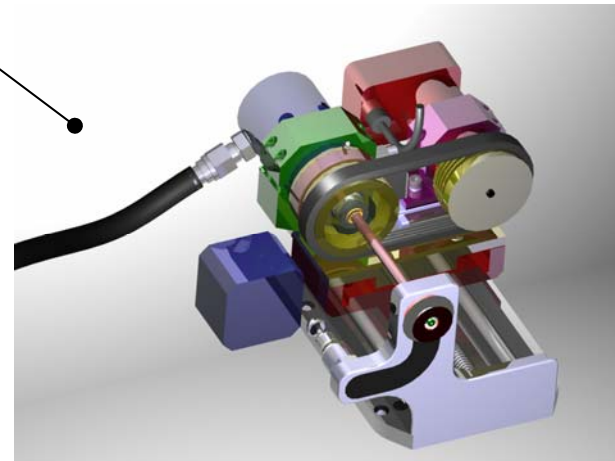
EPSRC KNOO: Materials Theme

Intelligent Automated In-situ Monitoring

Task 1: “Proof of Concept”



Task 2: Monitoring Systems



Intelligent Automated In-situ Monitoring

Task 1: “Proof of Concept”

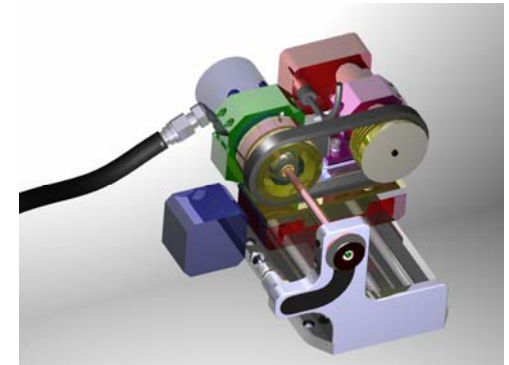
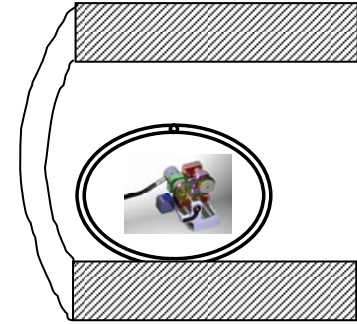
Concept = low-cost, autonomous monitoring system, sufficient life expectancy & on-board energy system in a shell system.

Shell system to protect measurement, deployment, electronic monitoring and communications.

Task 2: Monitoring Systems

Small sample extraction device combined with in-situ residual stress measurement.

Preference is to examine stresses in waste containment materials-glasses and ceramics.



Progress

- Research student: Soheil Nakhodchi
March 2006: Graphite and Glasses
- Research Assistant (50%): Neville McNeill
October 2006: Power Systems
- Research Assistant (50%): to be appointed –Summer 07: Monitoring Equipment Containment Materials