

ENVIRONMENTAL QUALITY TECHNOLOGY

effective technology, assessment, and information for environmental management

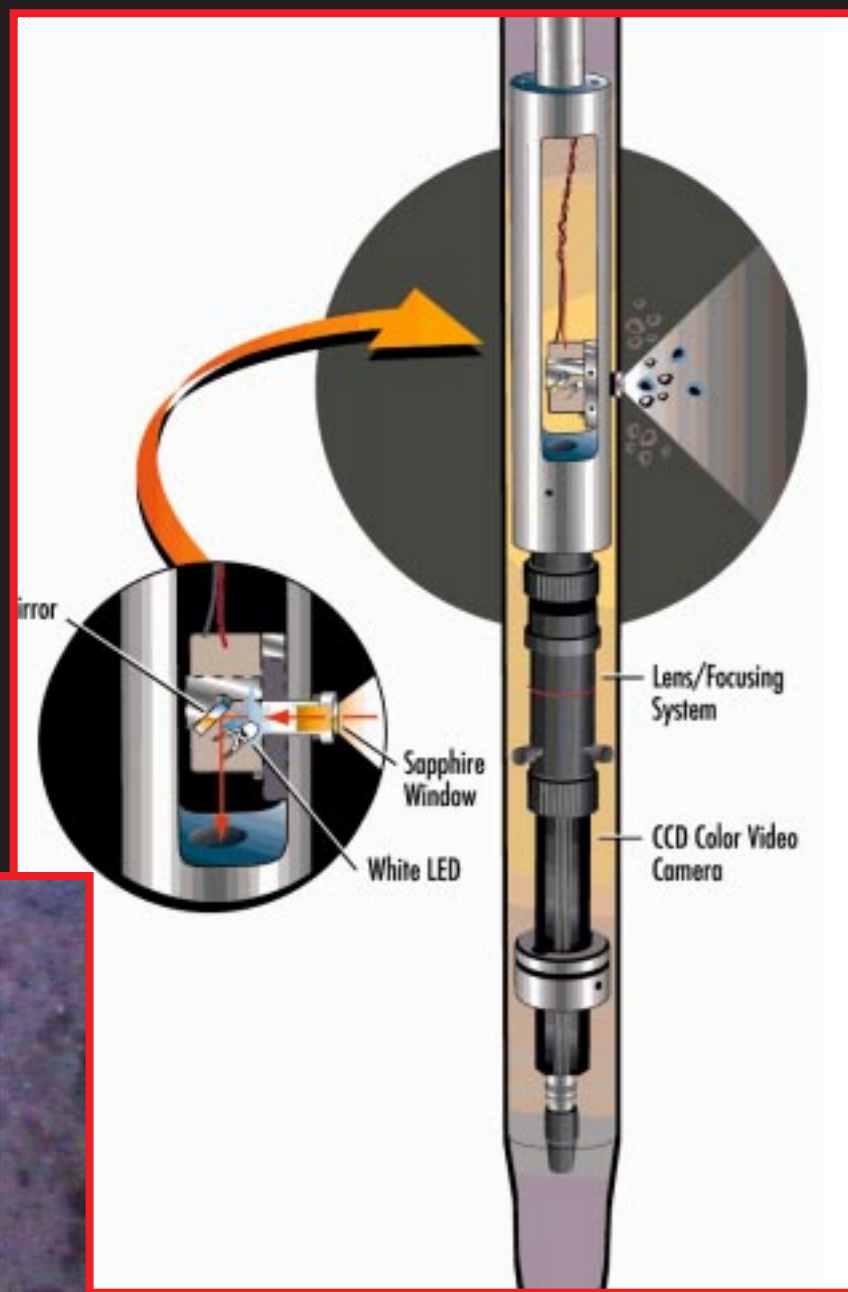
Advanced Assessment and Sensor Technology

Providing Rapid Environmental Characterization at Reduced Cost

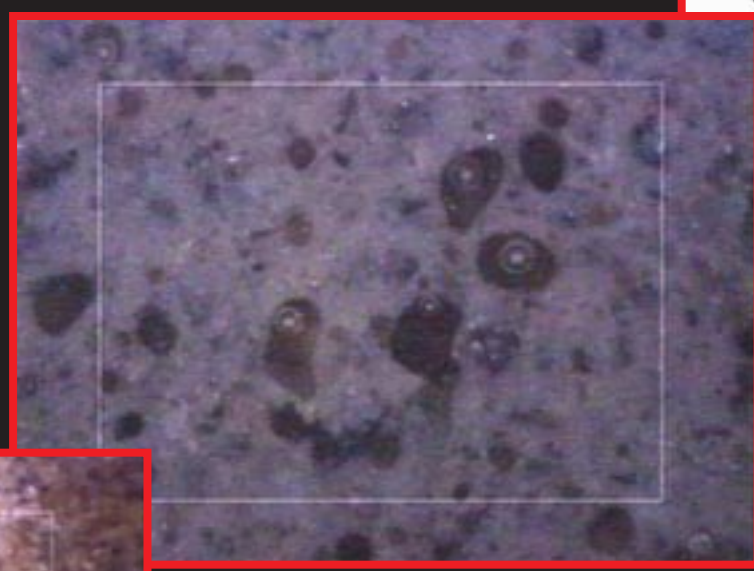
Navy Site Characterization and Penetrometer System (SCAPS)

- New sensor development
- Regulatory acceptance
- Technology transfer via Cooperative R&D Agreement
- Transition via NFESC and commercialization

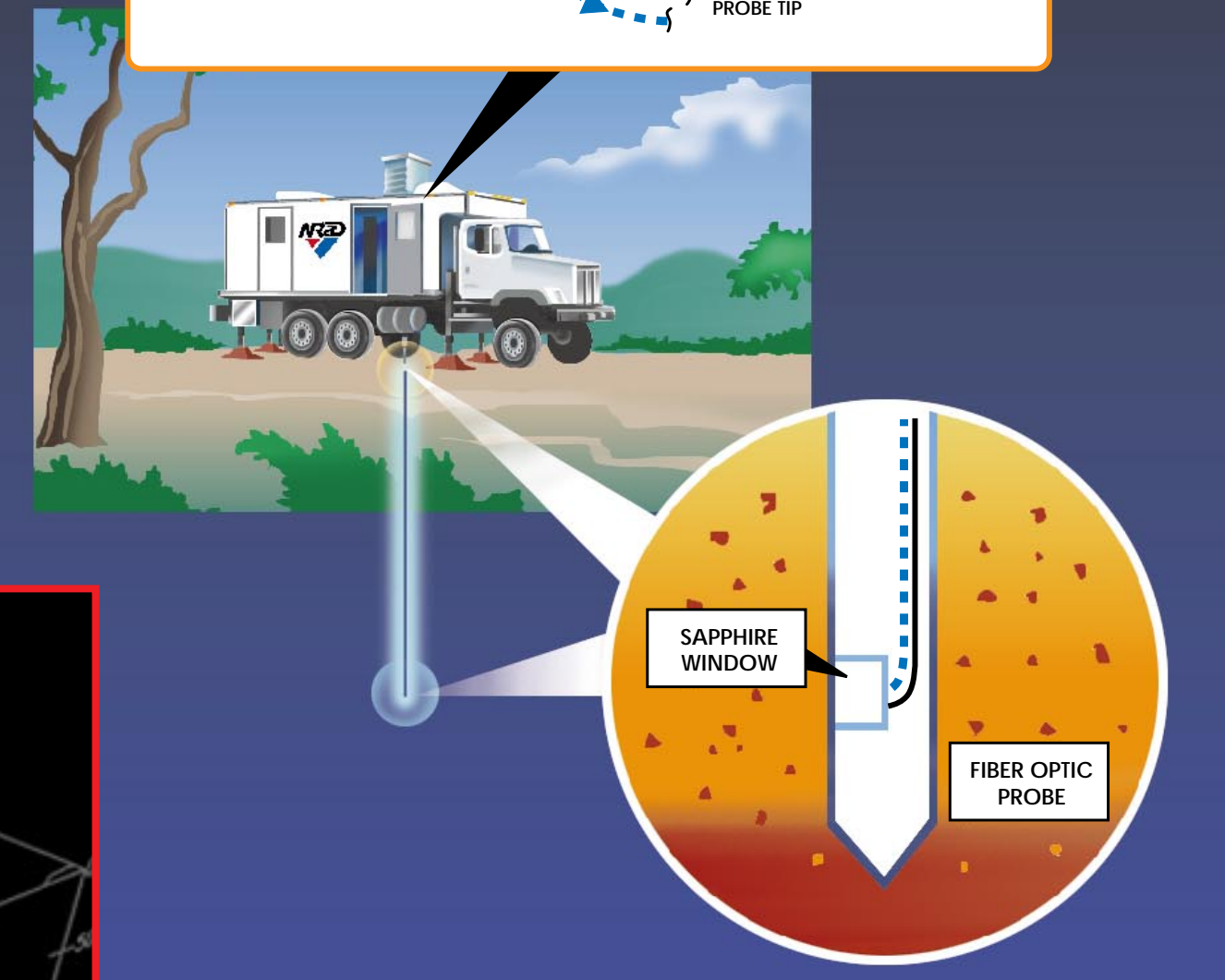
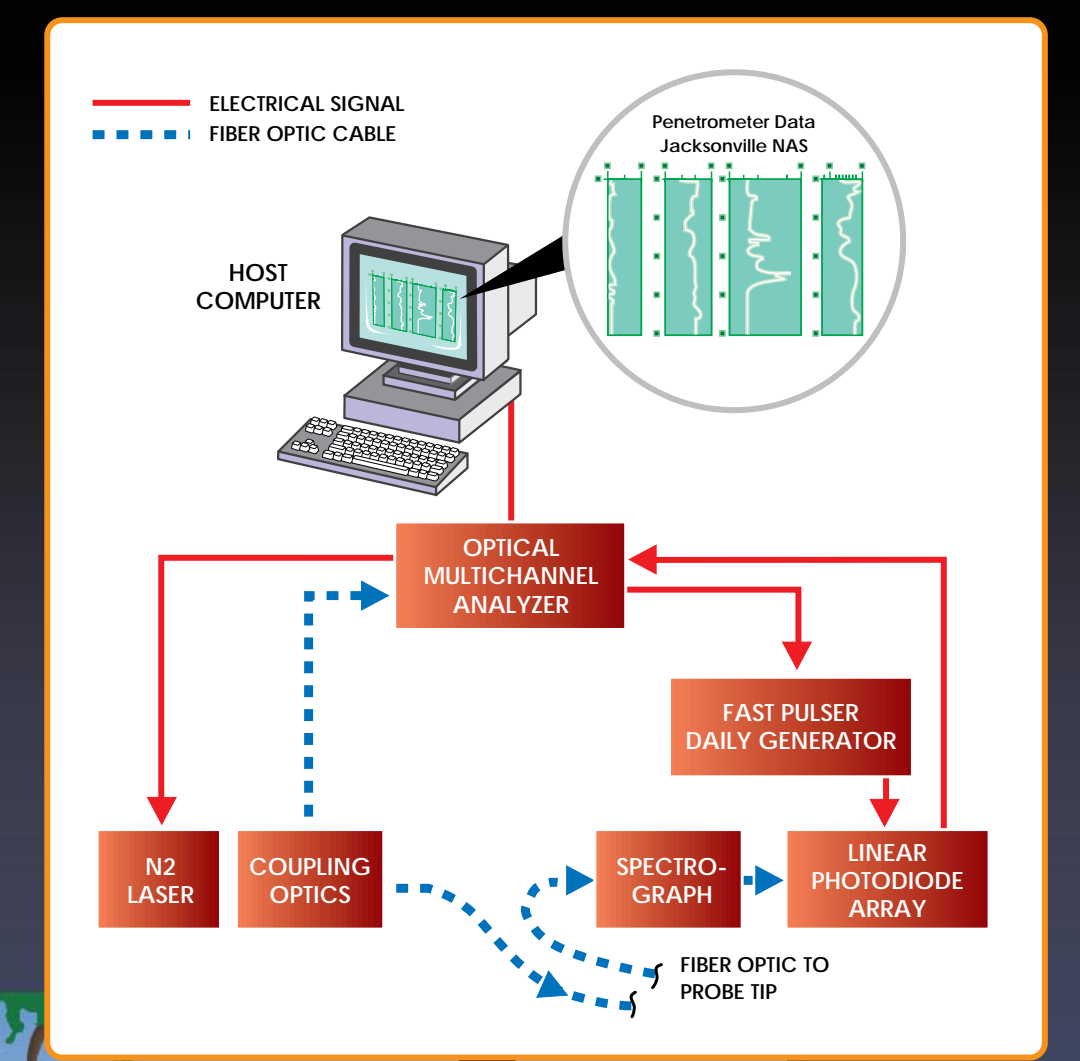
Schematic of GeoVis soil video imaging system probe for imaging subsurface soil environment



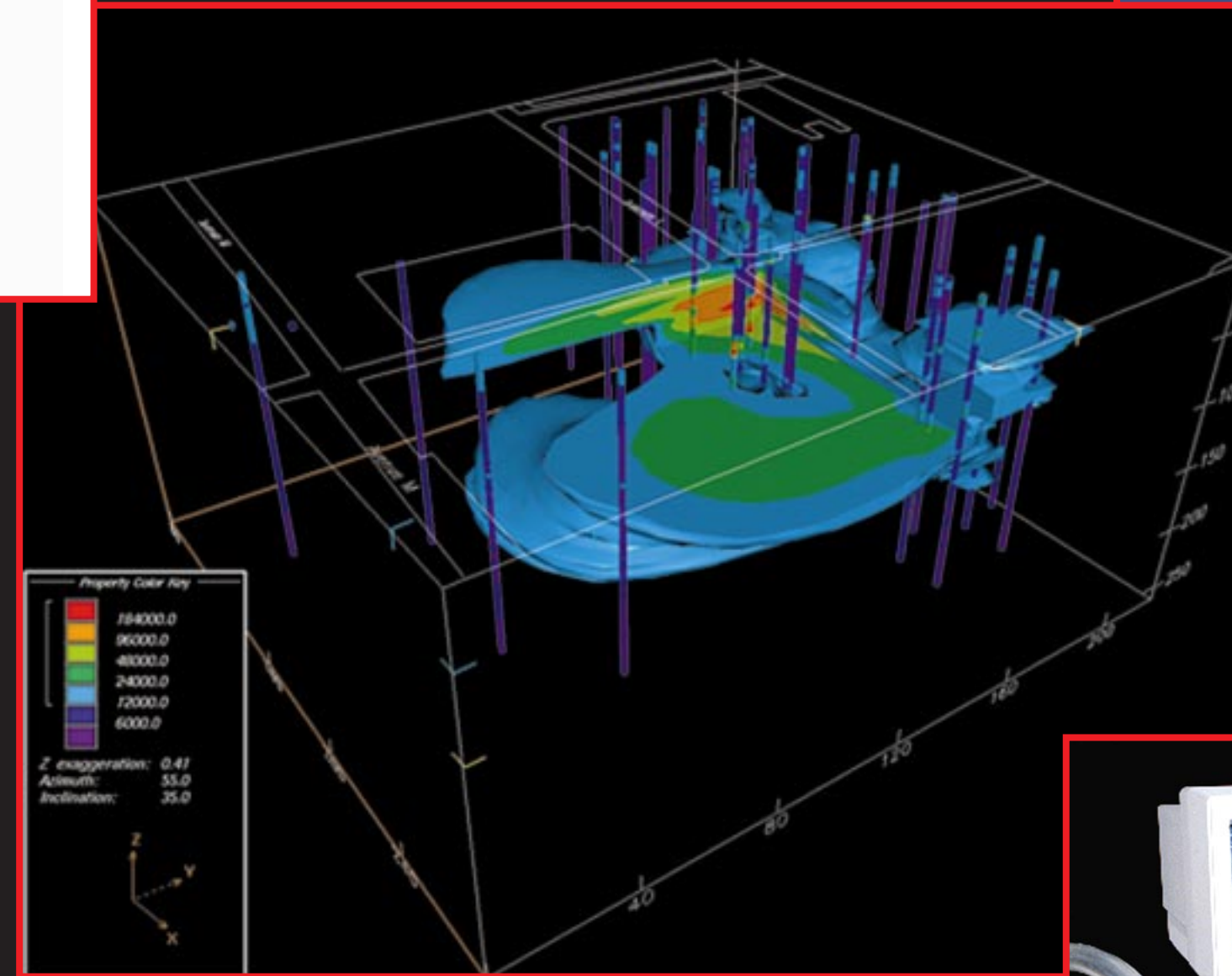
Video detection of DNAPL microglobules



Video image of soil characteristics



Laser-induced fluorometry – hydrocarbon sensor system



NAS Alameda hydrocarbon plume visualization



Fiber optic metals sensor - Laser-induced breakdown spectroscopy



OwikLite Bioassay System for rapid low-cost biological testing

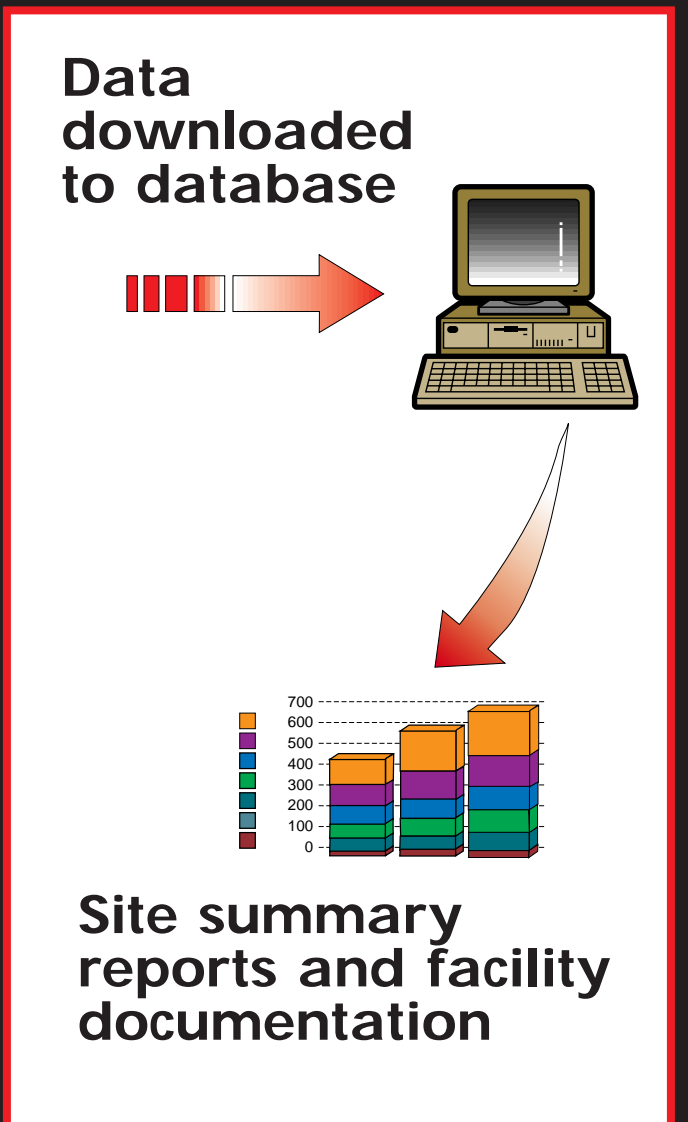
Environmental Sensor Development

- Rapid contaminant/spill assessment and characterization
- Technology transfer to industry
- On-site analysis/detection

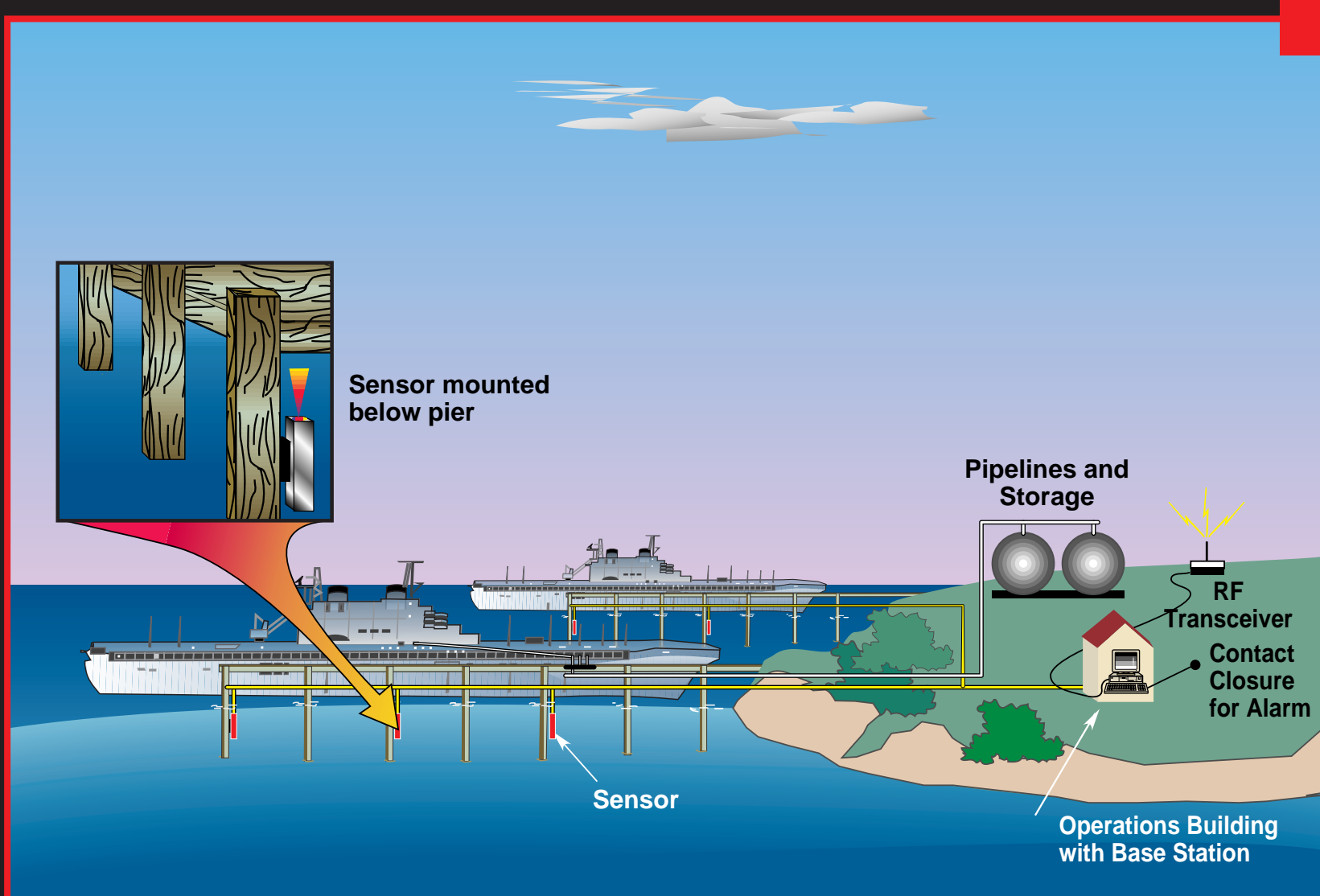
METALS ANALYZER



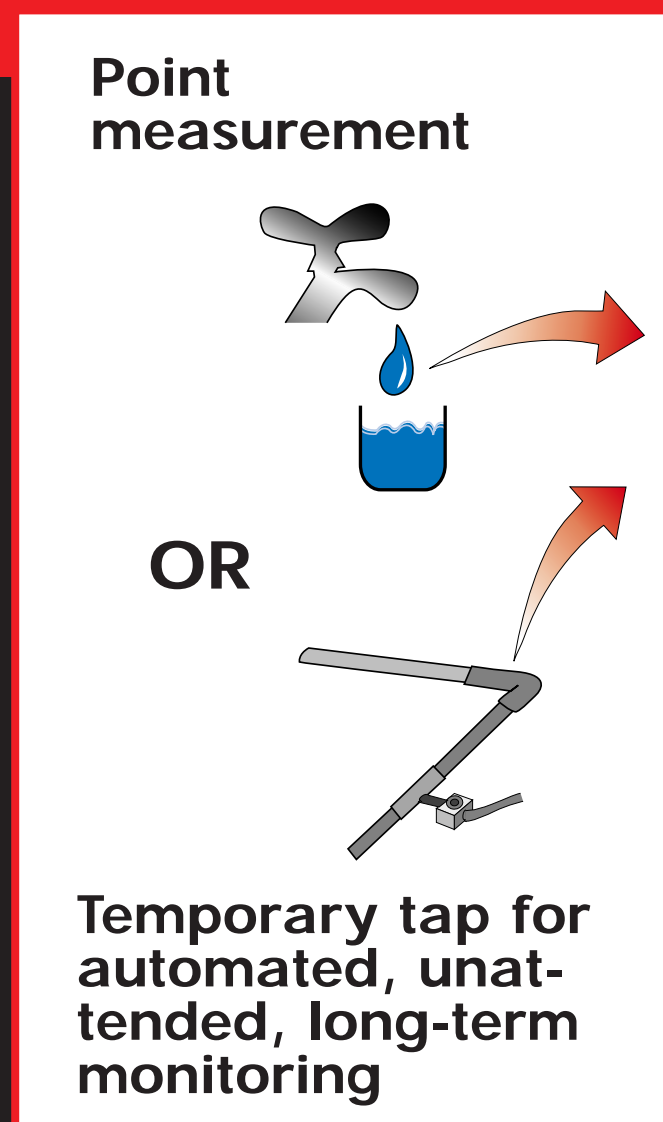
Portable on-site trace metal analyzer



Site summary reports and facility documentation



Pierside Oil Spill Detection System



Temporary tap for automated, unattended, long-term monitoring

RESEARCH ➡ TECHNOLOGY DEVELOPMENT ➡ TECHNOLOGY TRANSITION/TRANSFER ➡ DIRECT SUPPORT