

CONTINUOUS LABORATORY MONITORING

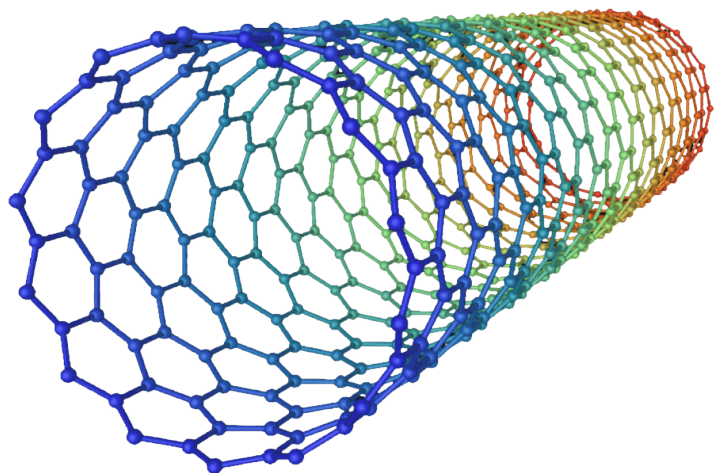
NANOTECHNOLOGY LABORATORIES

CHALLENGES

The research and manufacturing of materials on an atomic and molecular level have garnered much attention from governments, private companies, and research institutions worldwide. The vibration tolerances for research and manufacturing environments are very stringent – even the slightest levels of vibration can alter accuracy, reproducibility and quality control: critical factors to the success of these facilities. Micro-vibration is part of a body of environmental threats that surface from the world of physics, each contributing to lab disruption. We call these threats *enviro-markers*, and they also include ultra-sonic sound and audible sound. Some of these threats are beyond human perception and caused by common factors such as human activity, base building systems, and other laboratory equipment.

SOLUTION

Moment's Continuous Lab Monitoring (CLM) process comprehensively monitors and digitally documents environmental conditions so that the stakeholders of research have a roadmap to fully auditable and reproducible research.



Vibration Criterion Curves

