

OCEAN TOMO

全球专利在线竞价交易市场

LOT #162

**High Definition Cryogenic Airborne
Gravity Gradiometer**



OCEAN TOMO

BID-ASK™ MARKET

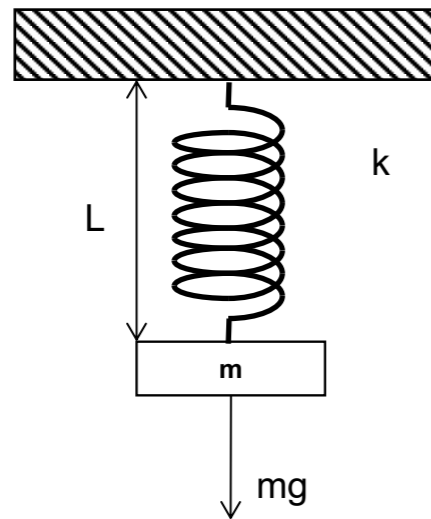


Gedex Systems Inc.

Technology Overview

Why Gradiometry?

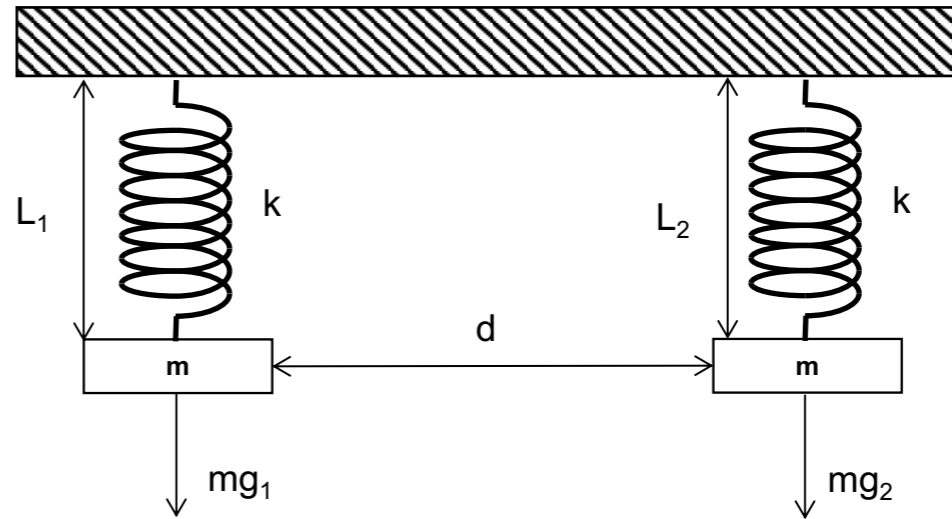
Gravimeter



Signal = L

Unit = mGal ($10^{-6}g$)
 Earth 980,000 mGal
 Anomalies 1-10 mGal
1 in 1,000,000
 Vector, Gm^2/r^2

Gravity Gradiometer



Signal = $(L_1 - L_2)/d$

Unit = E ($10^{-10}g/m$) Eötvös
 Earth 3000 E
 Anomalies 1- 10 E
1 in 1,000
 3D Tensor, Gm^2/r^3

Easier to Measure Gradient from a Moving Platform

Sensor Performance Goal

- Ultimately the Gedex HD-AGG™ System will Detect the Change in Gravity over **One** Metre

– One Part in a Billion –

one Eötvös (E)

One Part in a Billion = The First 40 Centimetres of a Trip to the Moon

To be Commercial 10 E is Sufficient

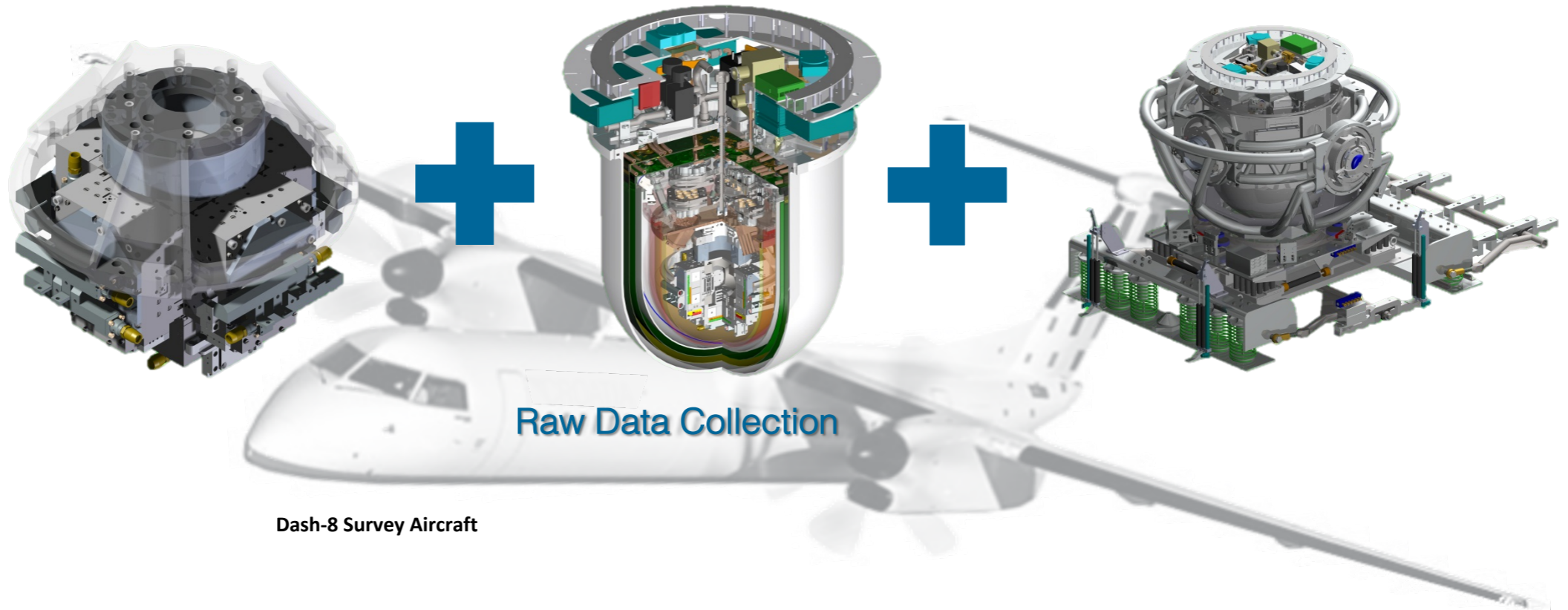
Enabling Technologies

Gravity Gradiometer Instrument

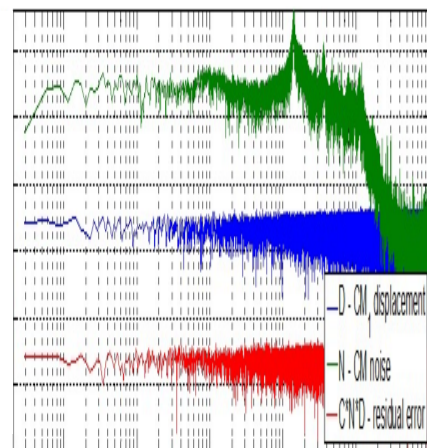
Flight Cryostat

GeoMIM Isolation Mount

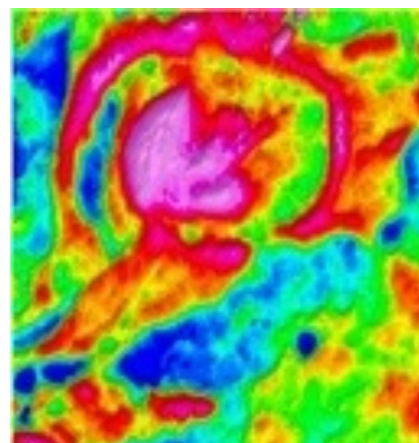
HARDWARE
(HD-AGG™ System -
Proprietary to Gedex)



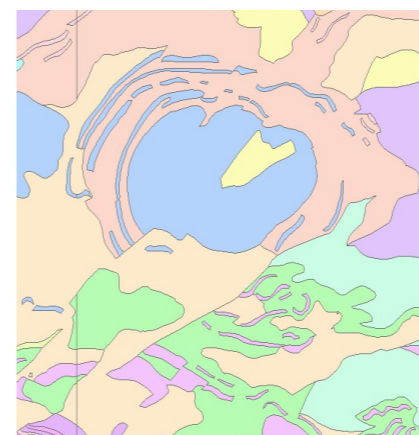
SOFTWARE
(Specialized Programs
Proprietary to Gedex)



Post-Processing Software



Geophysical Processing & Imaging Software

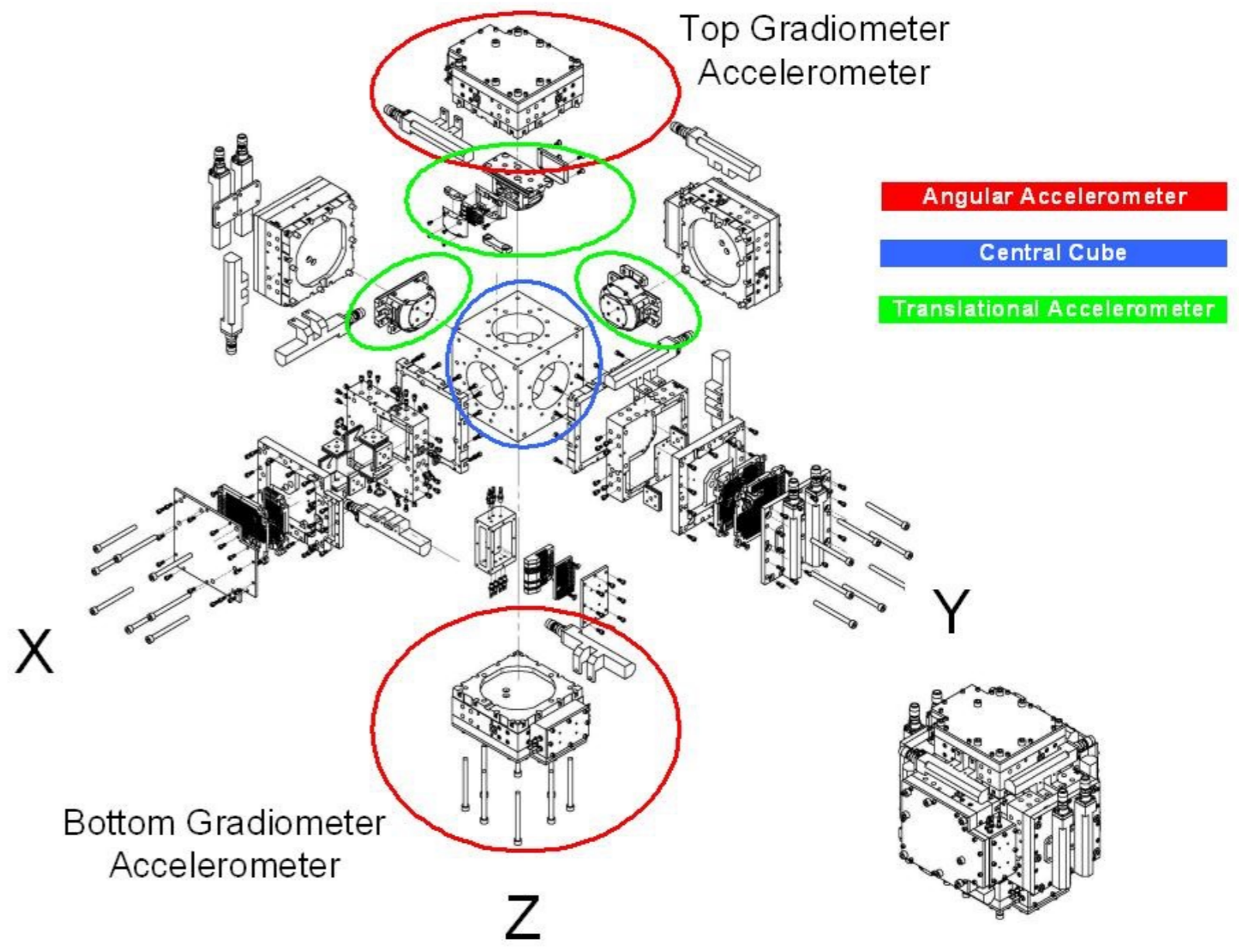


Geological Analysis Software

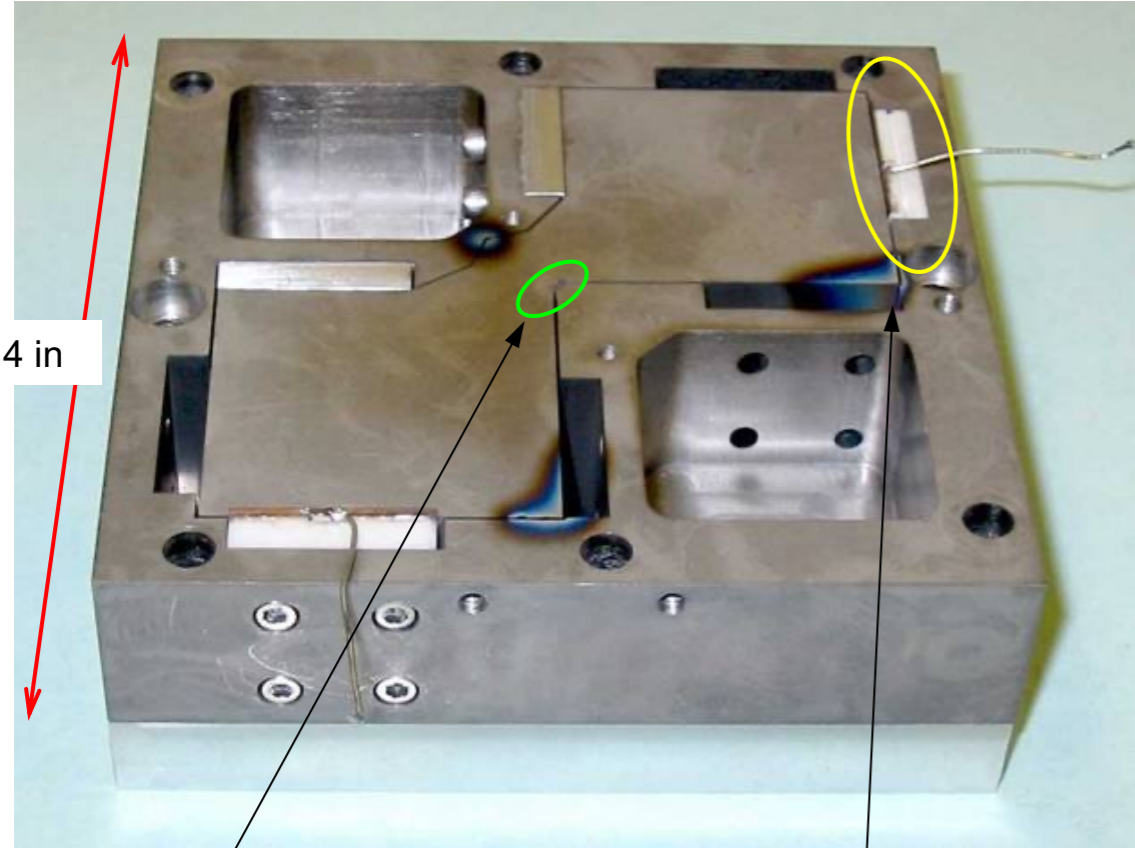


Discoveries

HD-AGG[®] Sensor

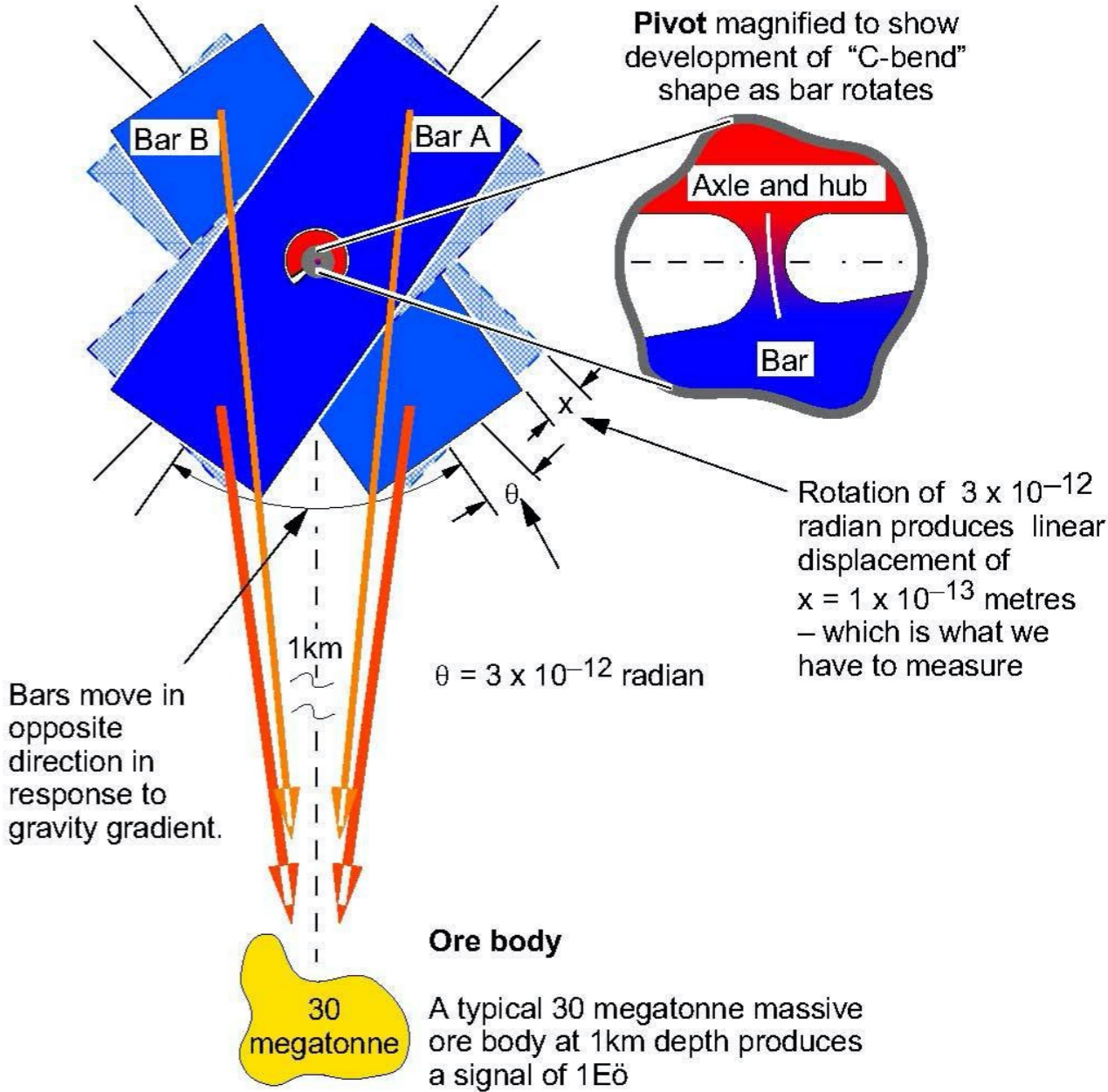


How it Works

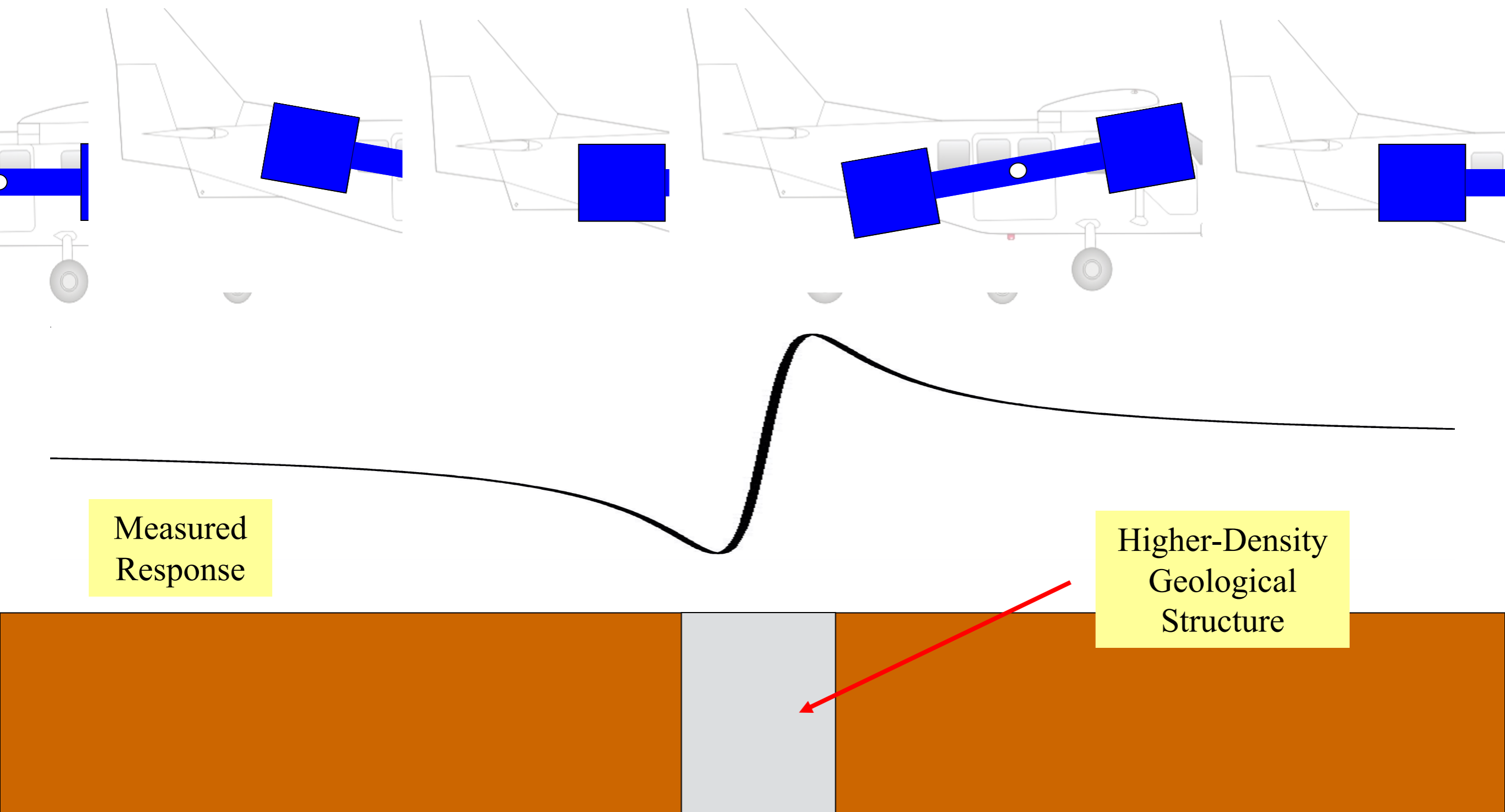


- Balance to within One Billionth of a Metre

- Measure Gap-Changes to the Size of the Nucleus of an Atom (femtometer- $10^{-14}m$)



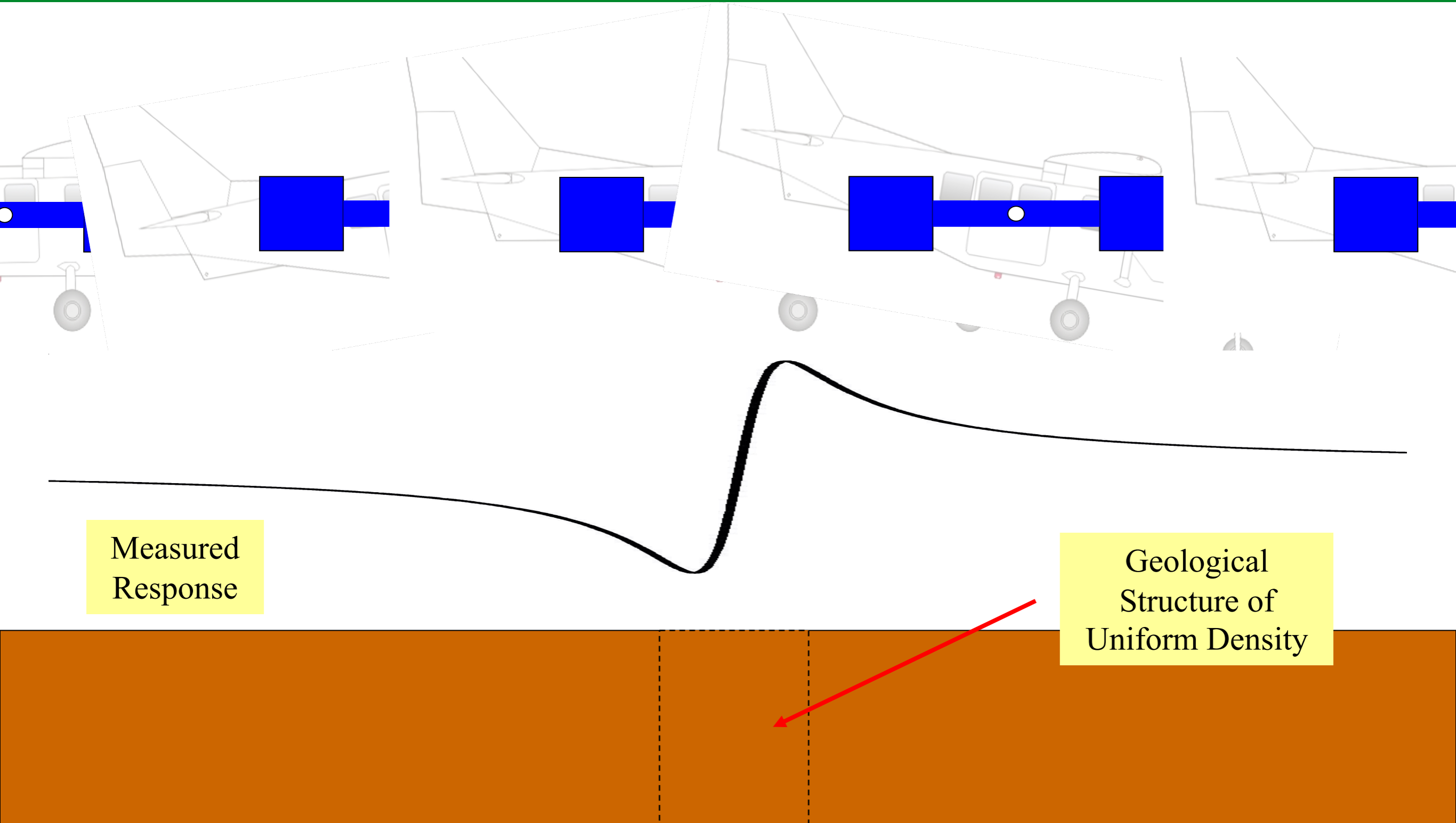
How do We Detect Geology?



Measured Response

Higher-Density Geological Structure

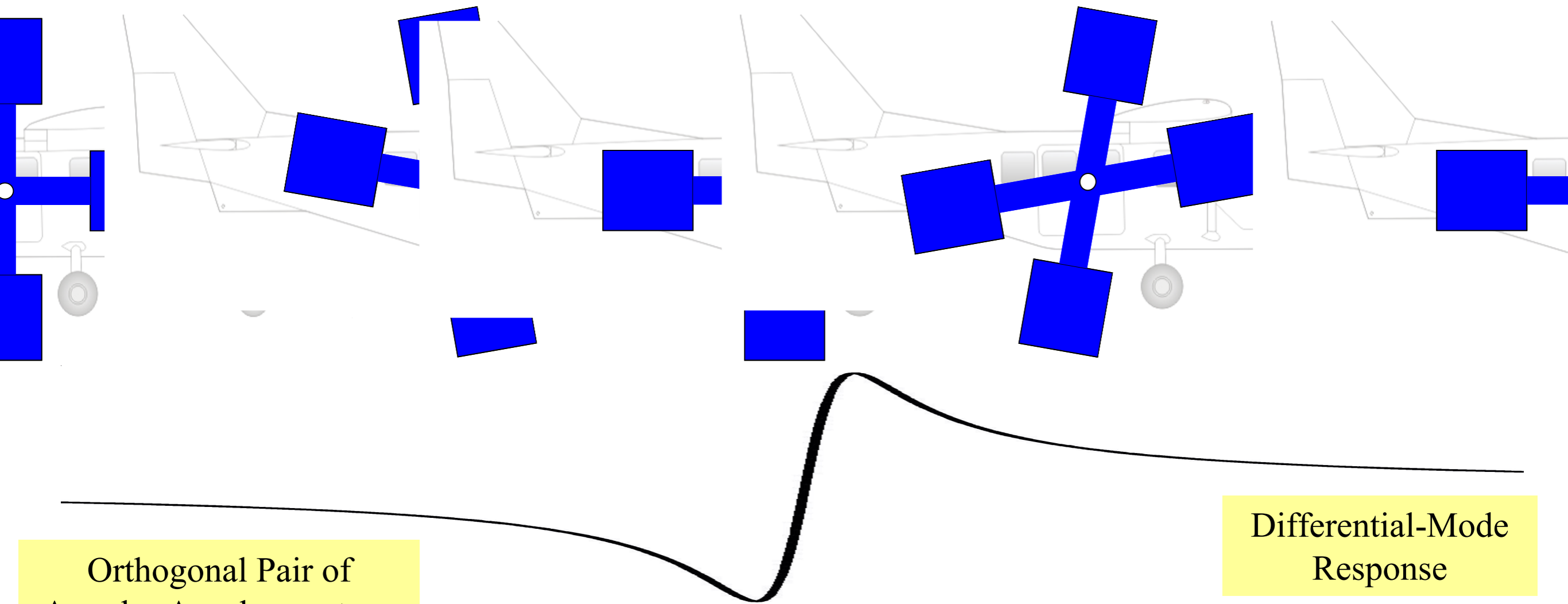
Singular Accelerometer Issue



Measured
Response

Geological
Structure of
Uniform Density

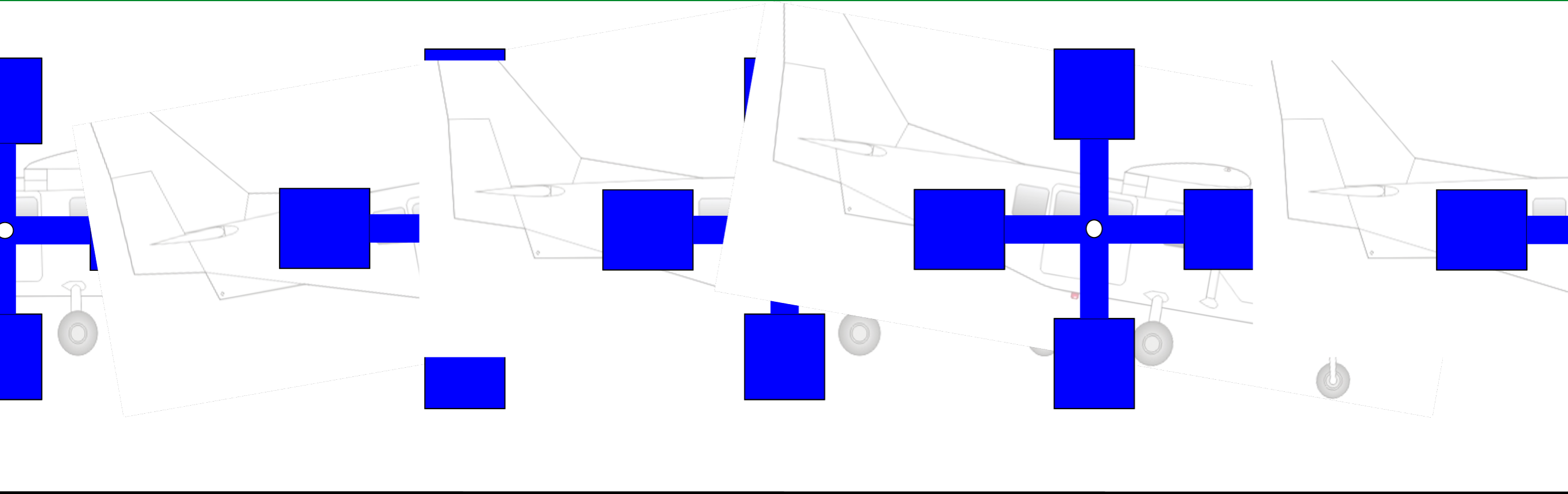
Differential Mode: Gradiometer



Orthogonal Pair of
Angular Accelerometers,
No Turbulence

Differential-Mode
Response

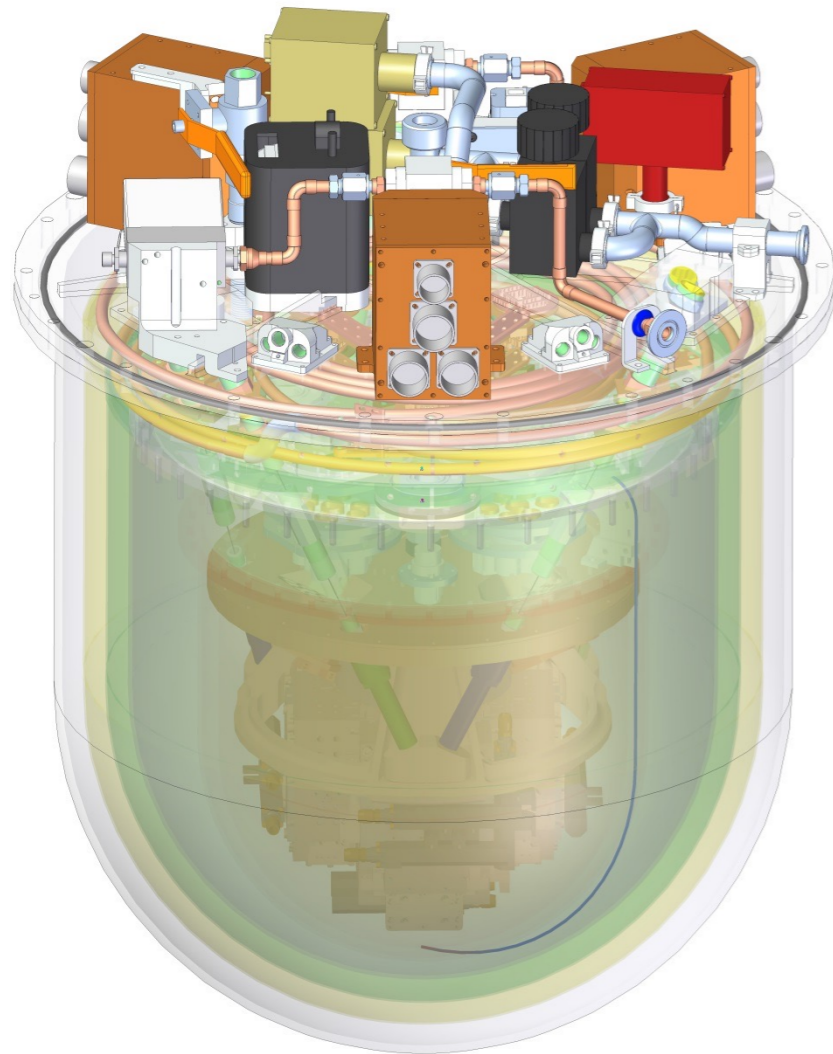
Common Mode (Reject): A/C Acc'n



Orthogonal Pair of
Angular Accelerometers,
Turbulence

Differential-Mode
Response

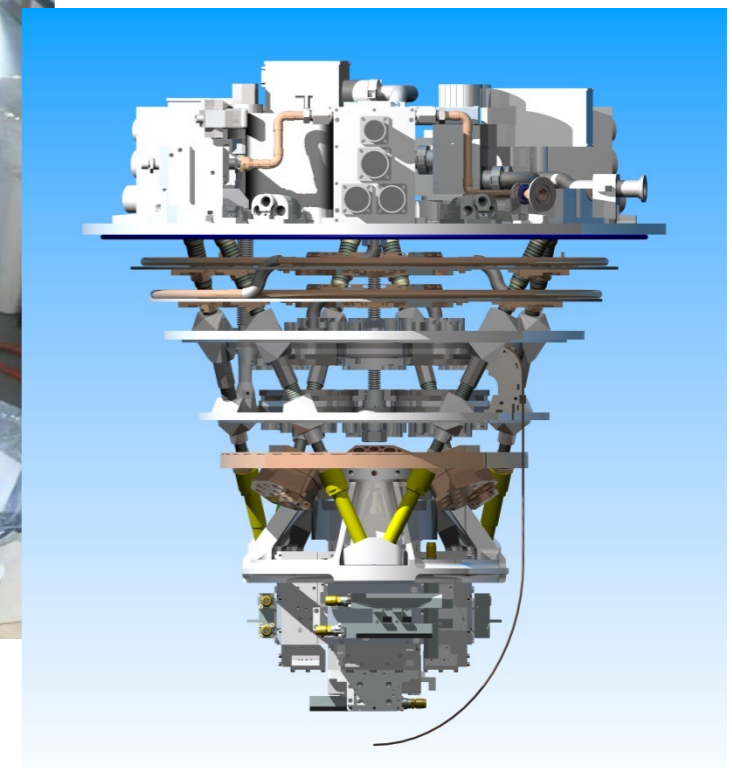
Flight Cryostat



- Interior Temperature 4 Degrees above Absolute Zero



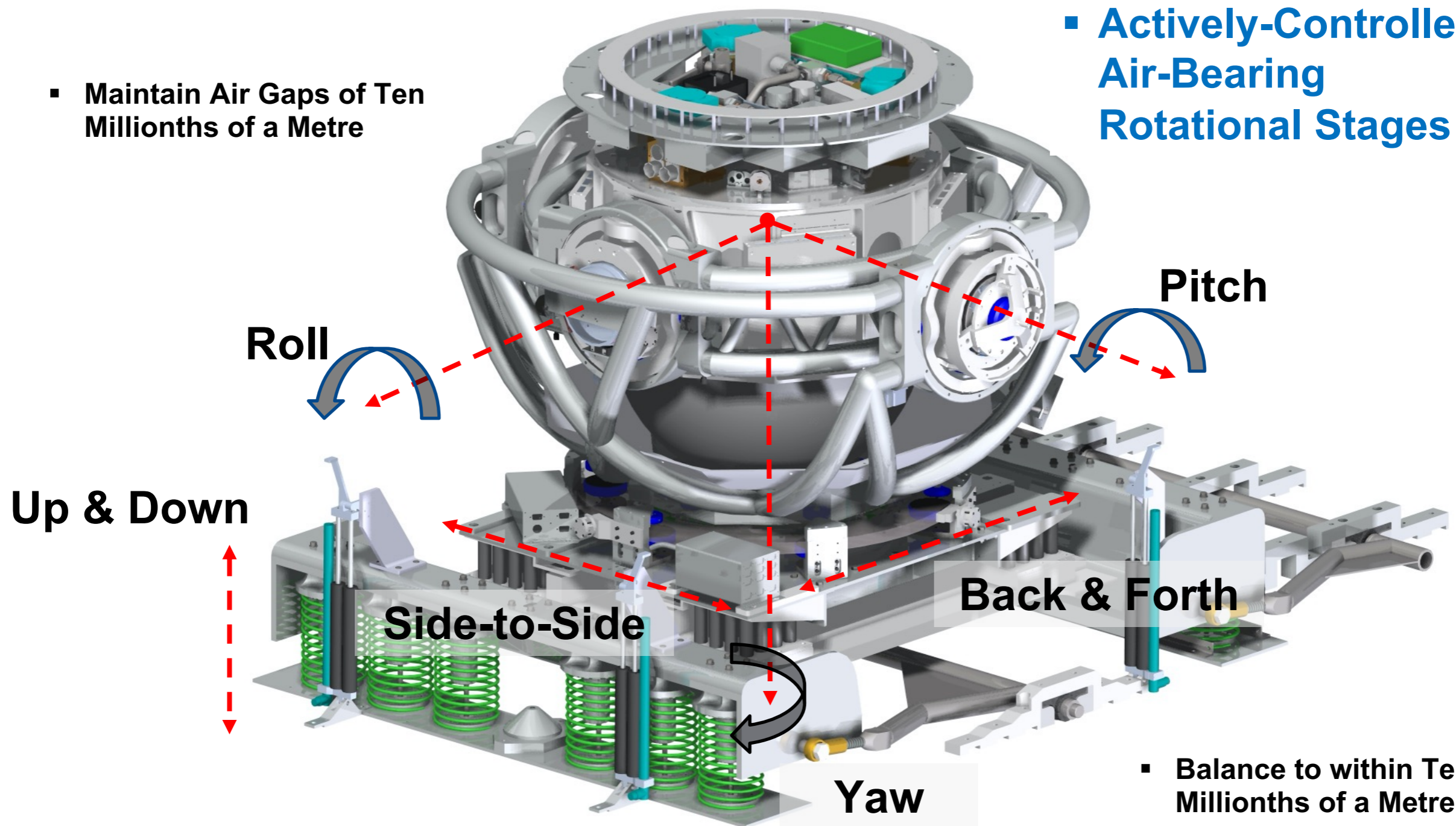
- Temperature Kept Constant to within a Millionth of a Degree
- Pressure Kept Constant to within 10 Millionths of an Atmosphere



Isolation Mount

- Maintain Air Gaps of Ten Millionths of a Metre

- Actively-Controlled Air-Bearing Rotational Stages

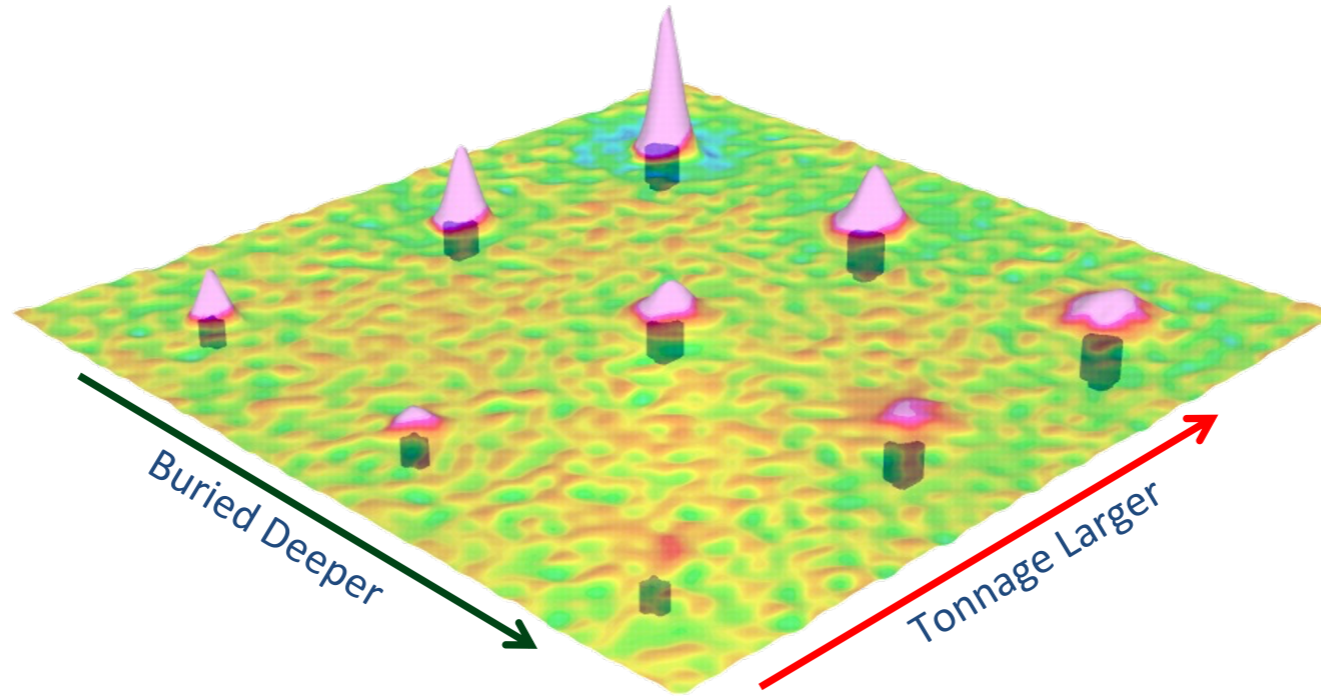


- Passive Mechanical Stiffness Translational Stages

- Balance to within Ten Millionths of a Metre

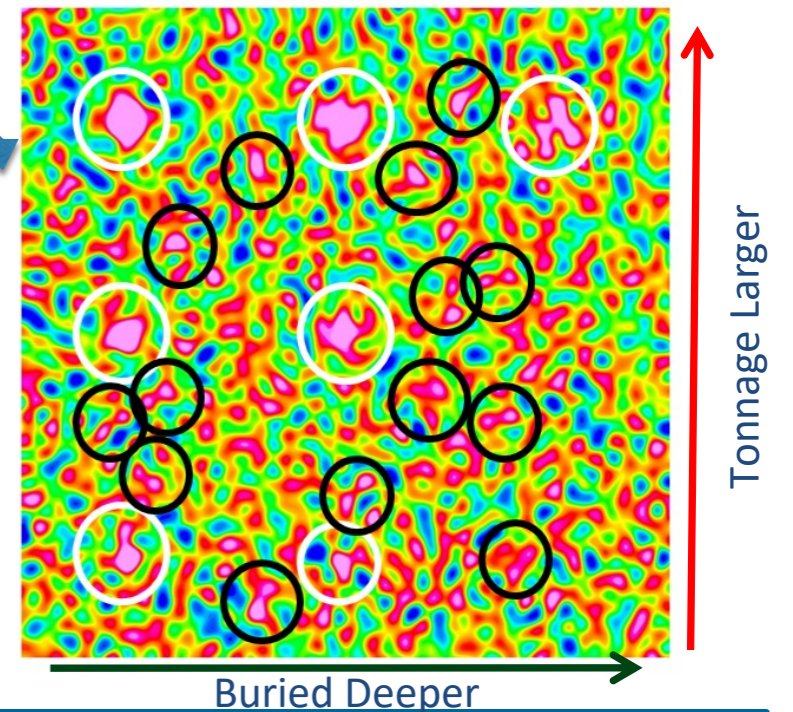
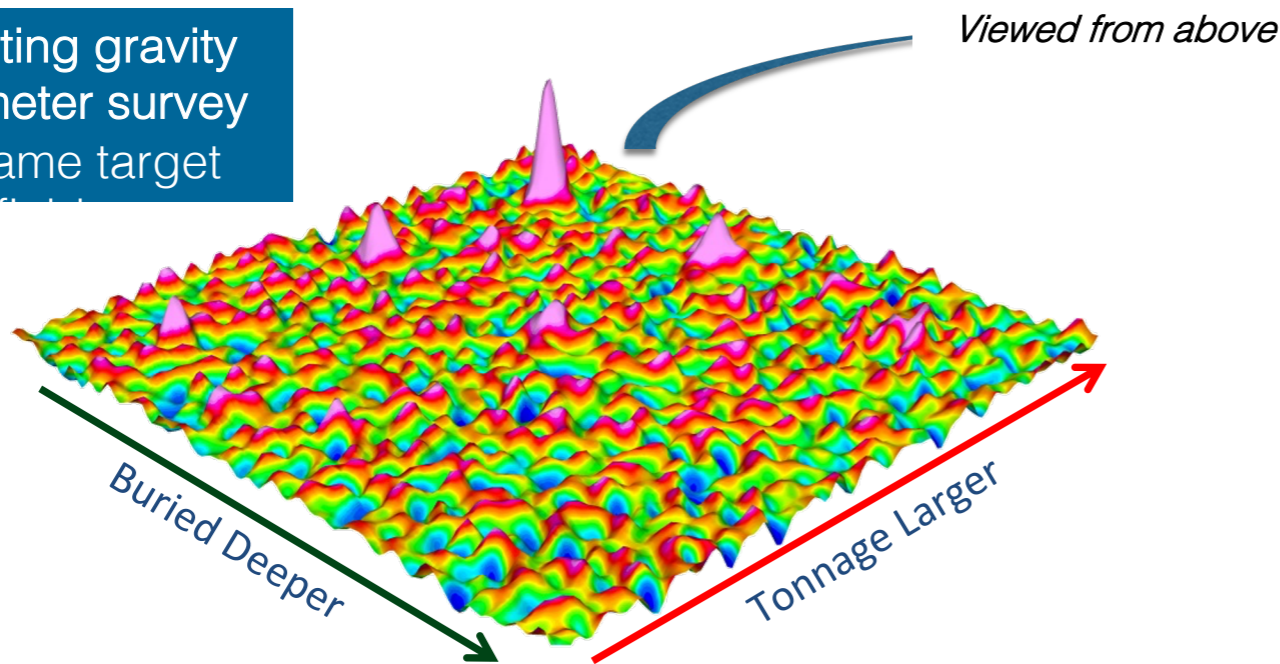
The Gedex Advantage

GEDEX HD-AGG™ survey over field of simulated targets of various sizes arranged at various depths



The low-noise, high-resolution Gedex system images all of the deposit responses = **DISCOVERY**

Competing gravity gradiometer survey over same target



Competitors' high-noise, low resolution gradiometer systems will see **only some** of the deposits – primarily the biggest and closest to surface and most of those have already been discovered
Missed Discoveries = Lost Opportunities

Noisy data also generates a large number of false targets (*shown as black circles*)
False Targets = Higher Drilling Costs

Welcome to the Ocean Tomo Bid-Ask™ Market, the public voice brokerage platform for patent transactions.

欢迎来到 Ocean Tomo Bid-Ask™ Market, 首个通过传统经纪人公开在线进行专利交易的全球化市场平台

For assistance using the platform, contact Bid-Ask@OceanTomo.com

平台使用帮助, 欢迎联系 Bid-Ask@OceanTomo.com

- Bid 竞价
- Ask 要价
- In Market (Lot Will Sell) 待拍品
- Price Spread 价差
- Sold 成交
- Transaction Pending

DOCUMENT PROCESSING SYSTEM

用户界面

LOTS: 64 专利拍品数量 SOURCE CODE 源代码

9 ASSETS 专利数量

DIGITAL DISPLAY SYSTEM

数字内容访问

LOT: 65 专利拍品数量

4 ASSETS 专利数量

OCEAN TOMO BID-ASK™ MARKET
OCEAN TOMO全球专利在线竞价交易市场

TOUR THE MARKET 市场一览

INDUSTRIAL INTERNET SECURITY & INSPECTION

一种工业互联网安全和检查的装置

LOT: 66 专利拍品数量 SALE 出售 LEASE 租赁

21 ASSETS 专利数量

OZONIX 种名为OXCO

LOT: 67 专利拍品数量

18 ASSETS 专利数量

LOT NUMBER 拍品编号	DATA ROOM 数据服务室	PTO 知识产权局	NICKNAME 拍品名称	REPRESENTATIVE PATENT 专利	PRIORITY DATE 优先权日期	EVENT DATE* 活动日	BID USD/RMB* 竞价	BID EXP. DATE 竞价截止日	ASK USD/RMB* 要价	ASK EXP. DATE 要价截止日	PRICE SPREAD 价差	ASSETS 资产	TYPE 类型
03-ZHA-74-18		US	Data Processing 一种数据处理方法	US9047283	1/29/10	3/28/18			\$3,800,000 ¥ 24,062,360.00	9/28/18		38	Sale 交易

The Ocean Tomo Bid-Ask™ Market (OTBA) was built to further enhance Intellectual Property (IP) liquidity and transaction transparency. OTBA serves a broad community of active buyers and sellers, providing a platform to purchase or sell patents and patent applications globally. This market is supported by Ocean Tomo Transactions and affiliate international voice brokers.

建立OTBA的目的是进一步促进IP资产流通性,提高了IP交易透明度。买卖双方通过 OTBA平台来购买或者出售全球专利权以及专利申请权, Ocean Tomo交易团队和旗下全球经纪人为平台提供线下提供服务支持, 以此建立活跃买卖双方的全球专利交易市场。



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