



### THE PROBLEM

Commodity owners lack accurate, real-time data on physical inventories — driving cost, planning uncertainty and operational inefficiencies

- ▶ 5–25% error and fraud exposure in manual stop-and-count checks
- ▶ Logistic scramble: last-minute trucks/ships, expensive re-routing
- ▶ Production sub-optimal: planning on stale, disputed inventory data
- ▶ Sales constrained: unclear sellable stock and orderable capacity

### TINAMU SOLUTION

A single source of truth — precise inventory data with flying sensors, auto-processed with physical AI and delivered into your ERPs / MESs / BIs

- ▶ > 99% precision, fully digital, traceable & fraud-free
- ▶ Real-time data in your systems — no local installation nor Ops stops
- ▶ One dataset across logistics, Ops, finance and sales
- ▶ Trusted baseline for lean operations and continuous improvement

**WHERE TINAMU CREATES VALUE** · three business levers powered by precise, trusted, real-time inventory data

### 01 OPERATIONAL EXCELLENCE



#### Logistic & handling cost

- ▶ No last-minute needs for trucks / ships
- ▶ No constant re-shuffling and manual inputs

### 02 PRODUCTION OPTIMIZATION



#### Production capacity

- ▶ Real-time view on materials & site performance
- ▶ Improved material flows & planning certainty

### 03 SALES IMPROVEMENT

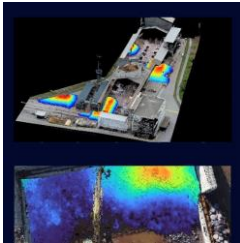


#### Top-line & profitability

- ▶ Know what you can & will be able to sell
- ▶ Higher throughput with current assets

**TINAMU SERVICE PORTFOLIO** · data as a service, enabling digitization of tough industrial environments with no GPS indoor & outdoor

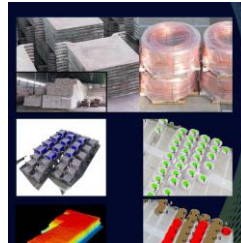
### 01 VOLUMETRIC MEASURING



Volumetric measurement of stockpiles, silos, trucks, ships + weight estimates with densities

- ✓ Precise digital volumes
- ✓ Movements & changes over time
- ✓ Implicit densities for precise weight estimates

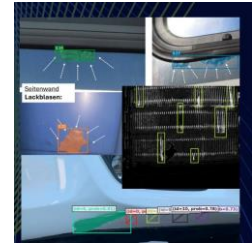
### 02 UNIT COUNTING



Counting of units in big bags, stacks, pallets, coils, rolls + weight estimates

- ✓ Precise digital unit count
- ✓ Movements & changes over time
- ✓ Object detection & position mapping

### 03 ANOMALY DETECTION



Visual and thermal inspection of corrosion, leakages, short-cuts indoor and outdoor

- ✓ Visual & thermal anomaly detection
- ✓ Predictive maintenance of industrial sites
- ✓ Automated detection & position mapping

**TRUSTED DATA THROUGH TECHNOLOGY AND PHYSICAL AI** · TINAMU active on 5 continents

