.node

Computer Vision. Built For Operators.

1. THE CURRENT METRIC
2. THE FUTURE METRIC
3. UNISERVE INVOLVEMENT
4. INDUSTRIAL ENGINEERING

THE CURRENT METRIC IS

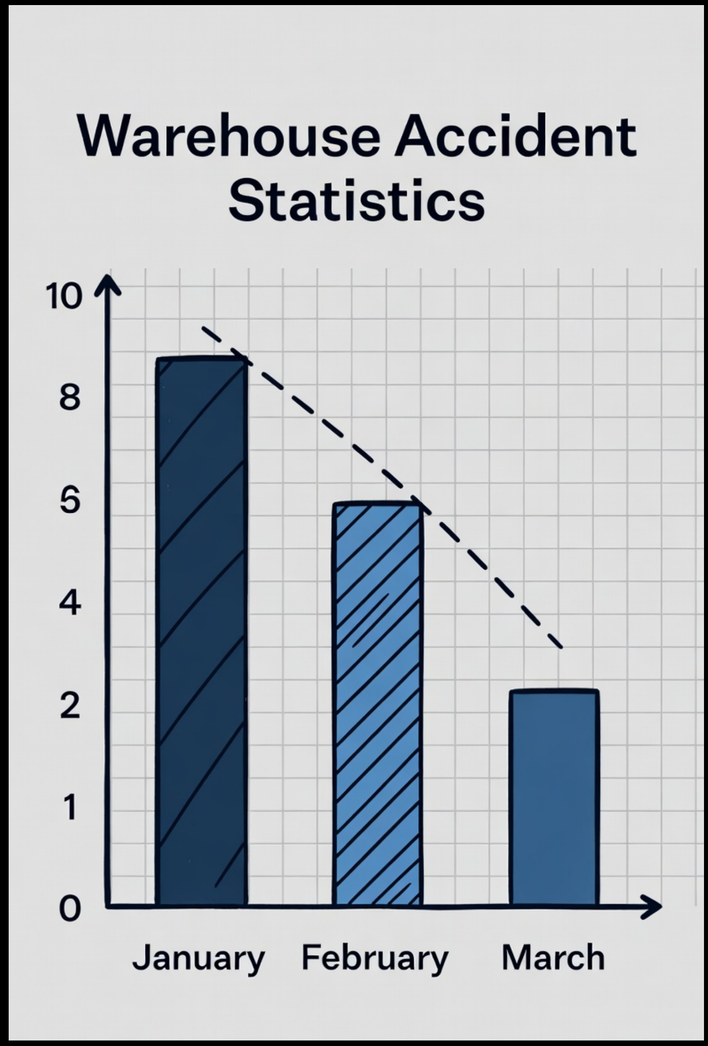
NO. OF ACCIDENTS

As as industry we rely on lagging indicators:

- accident counts
- injuries
- lost time.

These only reveal failure after harm occurs - too late to prevent it.

Proactive safety demands leading indicators that detect risks before incidents happen.



.node designed by people who understand the problem.

THE NEW METRIC

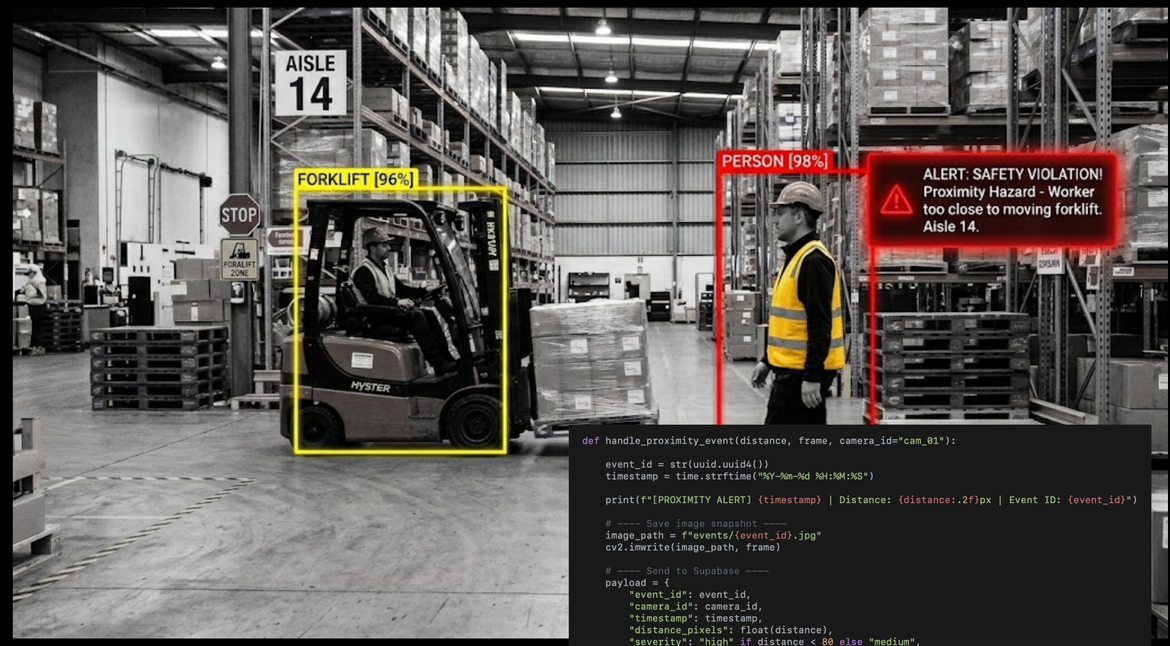
THE SAFETY SCORE

Computer vision deploys always-on AI cameras to monitor real-time behaviours, PPE compliance, near-misses, and unsafe actions.

Our Safety Score starts at 100 and deducts points for detected issues, creating a clear leading indicator.

- Shift Performance
- Site Performance
- Volume Impacts

.node scores safety. Before accidents happen.




```python
def handle_proximity_event(distance, frame, camera_id="cam_01"):

    event_id = str(uuid.uuid4())
    timestamp = time.strftime("%Y-%m-%d %H:%M:%S")

    print(f"[PROXIMITY ALERT] {timestamp} | Distance: {distance:.2f}px | Event ID: {event_id}")

    # ---- Save image snapshot ----
    image_path = f"events/{event_id}.jpg"
    cv2.imwrite(image_path, frame)

    # ---- Send to Supabase ----
    payload = {
        "event_id": event_id,
        "camera_id": camera_id,
        "timestamp": timestamp,
        "distance_pixels": float(distance),
        "severity": "high" if distance < 80 else "medium",
        "image_path": image_path
    }

    headers = {
        "apikey": SUPABASE_API_KEY,
        "Authorization": f"Bearer {SUPABASE_API_KEY}",
        "Content-Type": "application/json",
        "Prefer": "return=minimal"
    }

    response = requests.post(SUPABASE_URL, json=payload, headers=headers)

    if response.status_code == 201:
        print("[INFO] Event successfully logged to Supabase.")
    else:
        print(f"[ERROR] Failed to log event: {response.text}")
```

SCORE IMPACT >96%

24/7 OPERATIONAL DATA, MADE ACTIONABLE

ENABLING EARLY INTERVENTION AND TREND TRACKING.

BUILT IN PARTNERSHIP

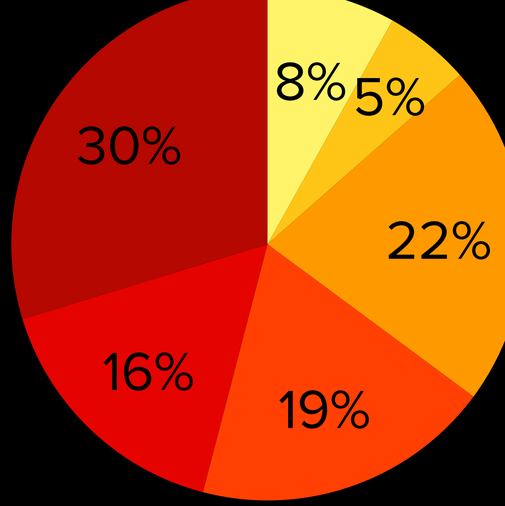
TRIAL LAUNCH IN 2 MONTHS

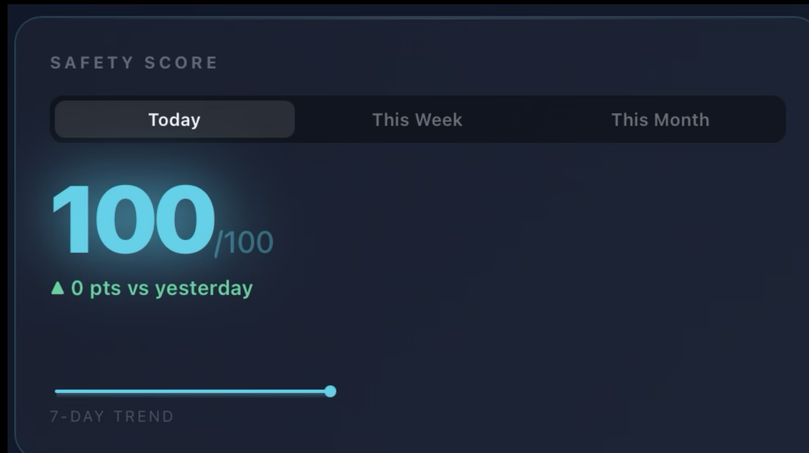
We collaborated with Uniserve FMDC to tailor computer vision to your operations and needs.

Built by operators, for operators, the solution is practical and accessible. The full trial launches in the next two months, delivering live results and measurable impact on safety and operations:

- Privacy by Design
- Secure Edge Architecture
- Industrial-Ready Deployment

- Close Proximity to MHE
- No High Vis
- Walkway Adherence
- Congregation
- Dock Door No Vehicle
- Manual Handling





INTRODUCING .NODE

THE INDUSTRIAL ENGINEER

Safety isn't all we should use computer vision for.

Node's automated 'point & shoot' time and motion product, in development with the University of Manchester aims to capture processes instantly for precise analysis of workflow inefficiencies.bottlenecks, and operational drag.

It runs 24/7, making no mistakes, taking no breaks, and costing less.

It delivers continuous, accurate insights to optimise productivity.

We're requested ~£100,000 in funding to bring this game-changing innovation to market faster.

INDUSTRIAL ENGINEERING, TIME & MOTION, WORK QUANTIFICATION ARE ALL THE SAME ARDUOUS, HARD WORK

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