

Turn your lift trucks into mobile profit centres

Optimizing Forklift Fleet Operations
with IVDT SkidWeigh Instrumentation
Technology and RF Wireless InfoHUBX





Are bottle necked floor scales, unmonitored material handling, and unexpected equipment damage stalling your warehouse throughput? If you want to squeeze maximum efficiency out of every shift, look no further than **IVDT (Integrated Visual Data Technology)**.

IVDT's flagship **SkidWeigh** product lines turn standard forklifts into smart, data driven productivity assets. Here is the ultimate breakdown of the top IVDT technologies to deploy right now for immediate operational gains.

1. Weigh on the Fly: SkidWeigh Onboard Scales

Stop wasting time driving to centralized floor scales. IVDT's **SkidWeigh Classic (SC Series)** and **ED2** systems integrate directly into your forklift.

2. Turn Operational Idle Time into Action:

If you can't measure it, you can't improve it. The **InfoHUBX** ecosystem eliminates "ghost tracking" by recording true operational idling and justified downtime.

Identify Bottlenecks: Separate true product handling time from static vehicle idling.

Right Size Your Fleet: Access crystal clear utilization data to determine if you are overworking certain trucks or if you can downsize to save on capital overhead.

3. Safety Compliance that Moves Fast: Defender IM & Access Control

A single warehouse incident can shut down an entire aisle for hours. IVDT bridges the gap between safety compliance and rapid workflow.

Paperless OSHA Inspections: Digital pre-shift operator safety checklists require operators to pass compliance questions shown on an onboard screen before vehicle is operational, eliminating physical logs.





4. Zero Tolerance for Accidents: Overload & Impact Management

Protect your drivers, your racks, and your bottom line from costly structural damage.

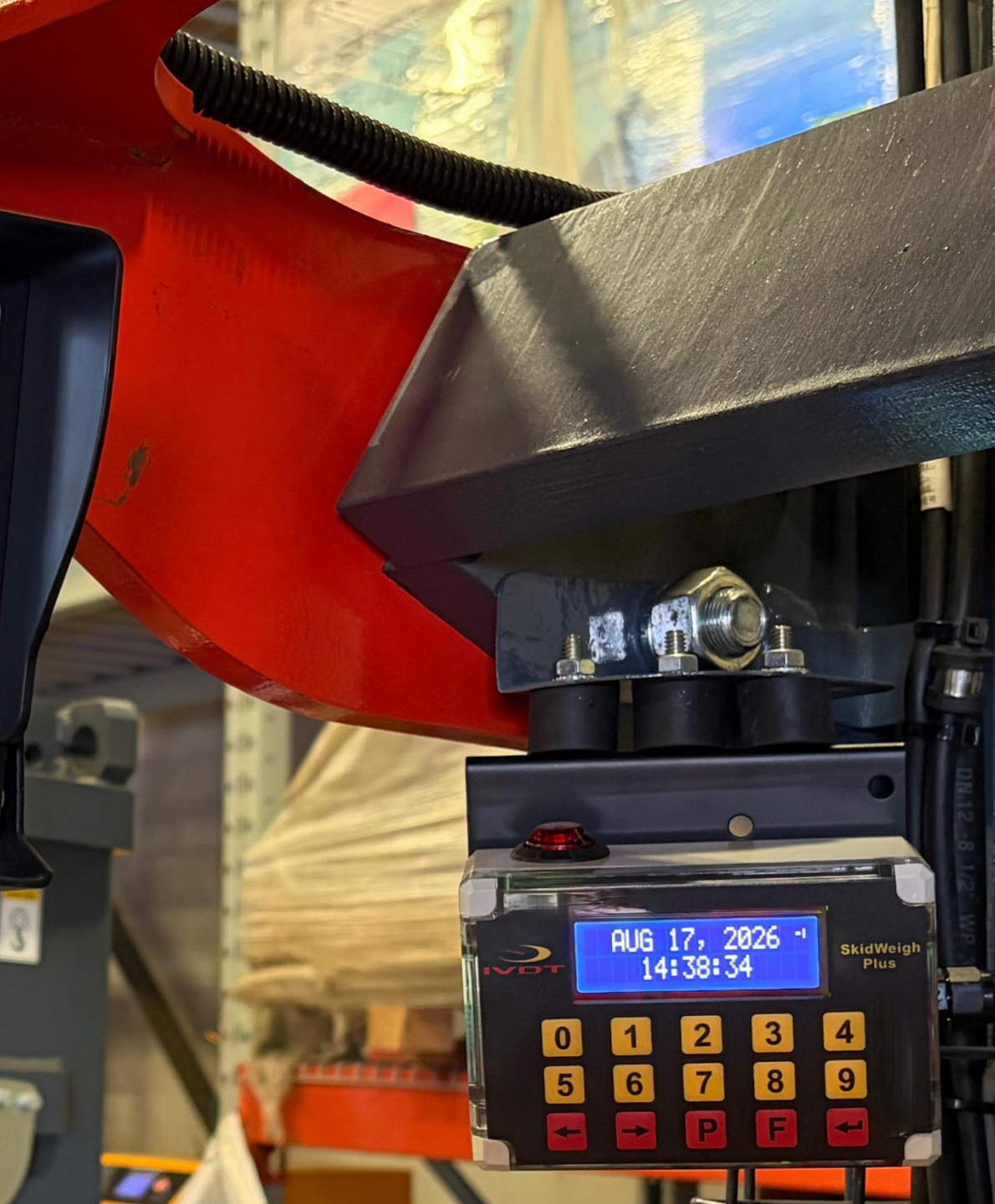
Proactive Overload Alerts: Systems like the **SC1**, **SC2** and **SC4** trigger instant visual and audible alarms if a load exceeds safe capacity.

G-Force Impact Recording: The **Defender IM Series** logs real time impact data by operator ID, building a workplace culture of driver accountability.

5. The Cost of Floor-Scale Traffic

The Workflow Penalty: Operators must pick up a load, drive across the warehouse to a stationary scale, wait in line, drop the load, log the weight, pick it up again, and head to the staging area or trailer.

The IVDT Fix: Implementing the SC or ED3 series allows operators to weigh loads instantly during the natural lifting cycle with +/-1% accuracy. The integrated "Load Ready" notifications let drivers capture data with zero operational interruptions.



The Cost of Unmonitored Rack Impacts

The Workflow Penalty: Drivers hide collisions to avoid trouble, leaving structural rack damage hidden until an upright fails. Maintenance spends thousands on emergency racking repairs and reactive truck maintenance.

The IVDT Fix: The [Defender IM3 Series](#) uses an onboard accelerometer to detect G-force thresholds in real time. It logs the exact timestamp and operator ID, driving immediate accountability and preventing minor bumps from turning into costly aisle shut downs.

The Cost of Manual Paperwork

The Workflow Penalty: Drivers lose or pencil whip paper compliance logs. Supervisors spend hours filing sheets, yet you still risk heavy OSHA penalties if an inspector finds a missing or inaccurate pre-shift report.

The IVDT Fix: Upgrading to the [SkidWeigh Plus ED3/4 Series](#) digitizes the entire workflow. The system prompts the driver with a mandatory, paperless **OSHA Safety Check** on the digital display, and activating audio / visual alert completely until the electronic inspection is passed.



InfoHUBX™ Operational Data Kits Subscription Free Forklift Telematics



InfoHUBX Data Collection Kits are Modular Subscription-Free Telematics Hardware Packages

Manual USB extraction relies on a human supervisor physically walking out to each forklift, inserting a flash drive, downloading log files, and walking back to a computer to stitch reports together for small operations. In a larger material handling operations, this manual step frequently gets forgotten, meaning critical data is lost or only looked at *after* an accident or efficiency drop has already happened.

For most material handling operations looking to maximize productivity, **automated real-time wireless data extraction** is vastly superior to manual USB/RF retrieval.

The IVDT's advanced fleet systems solve this by automating your data pipelines based on your infrastructure layout.

The IVDT InfoHUBX RF wireless gateway is an excellent choice for material handling fleets, specifically for small-to-mid-size operations that want to avoid recurring software fees and complex cloud setups. Manufactured by Integrated Visual Data Technology (IVDT), this on-premise system uses a 900 MHz RF mesh Digi network (*Approved in USA, Canada and Australia*) to transmit real time vehicle and safety telemetry directly to a local server or laptop.

InfoHUBX Advantage

- **Data Sovereignty:** Because telemetry stays within your four walls, sensitive operational data like operator IDs, productivity metrics, load weights, impacts, OSHA compliance and facility blind spots never leaves the local network.
- **Infrastructure Independence:** The 900 MHz DigiMesh RF network (*Approved in USA, Canada and Australia*) operates on its own dedicated industrial band. It does not compete for bandwidth with your existing corporate Wi-Fi or warehouse inventory scanners.
- **Hardened Reliability:** The onboard instrumentation logs events locally on the forklift. If a truck drives out of RF range (such as into a deep cold-storage unit or a shielded shipping container), it securely stores the data and automatically dumps it the moment it reestablishes a handshake with the InfoHUBX gateway.
- **Instant Local Alerts:** Impact and overload alerts do not travel to an external cloud server and back. Instead, the InfoHUBX gateway triggers instant notifications over your Local Area Network (LAN) to alert floor supervisors immediately.

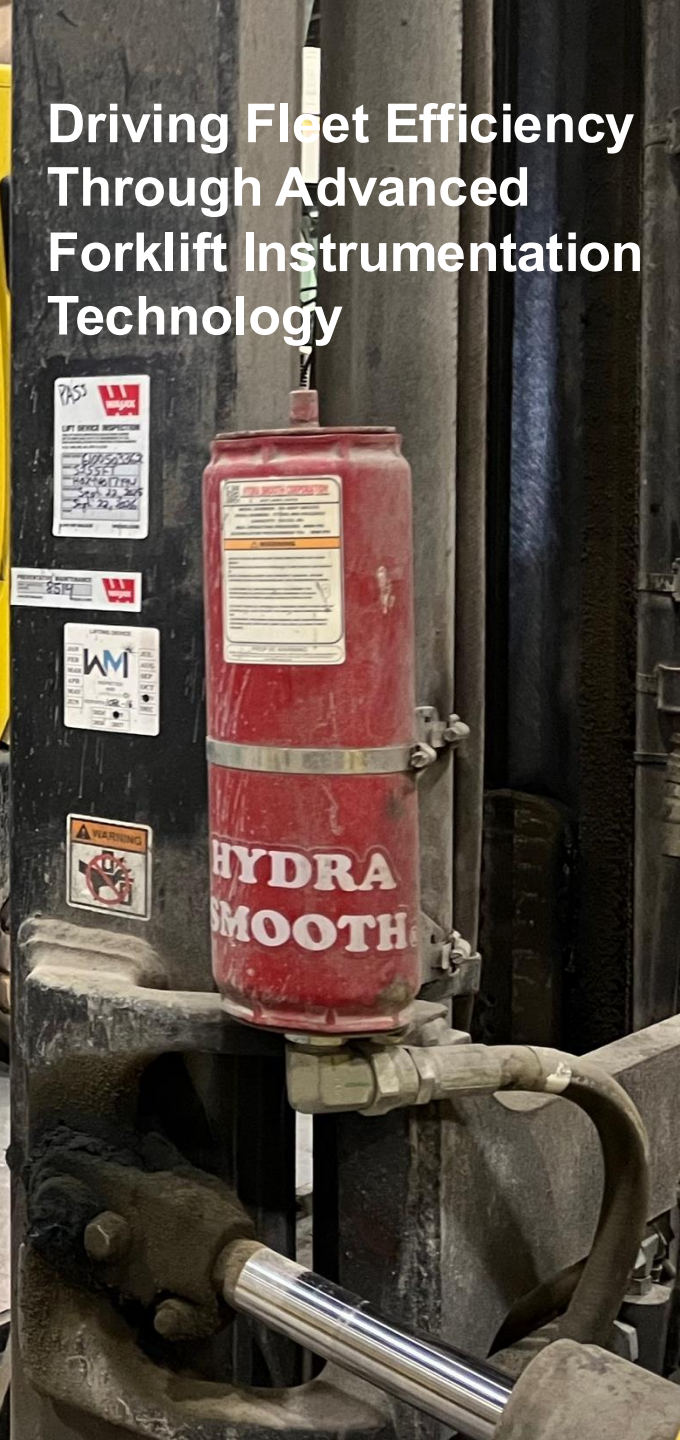


Long Range RF Wireless 900 MHz
License - Free ISM Band Operation





Driving Fleet Efficiency
Through Advanced
Forklift Instrumentation
Technology



InfoHUBX Gateway Kits

Each Kit Comes with

- *One ED3 SkidWeigh Plus Classic

- *One InfoHUBX kit With Software

- ** Customer can add as many ED3 as required to connect to InfoHUBX gateway, ,no additional charge



Order No.

IHX-OSHA

- * Automatic safety check compliance
 - Default every 8 hours, 12 and 24
 - Session start time
- * Time to complete safety check
 - Real time clock
 - Operator ID# keypad input
 - Vehicle ID#
 - Audio / visual alert (Remainder to operator to initiate safety check)
 - Vehicle operation not disabled

Optional Hardware

- Vehicle Impact Detection
- RFID Operator Card Reader





Order No.

IHX-IDLING

- Sessin start time
- Audio / visual alert (Remainder to operator to input valid ID#.
- Real time clock
- Operator ID# keypad input
- Vehicle ID#
- Automatic detection of all unidentified idling events within company utilization factor, (Audio / visual alert)
- Operator input for 5 justified operational downtime reasons
- Vehicle operation not disabled
- **Optional Hardware**
- * **Automatic safety check compliance**
- **Vehicle Impact Detection**
- **RFID Operator Card Reader**





Order No.

IHX-OVERLOAD

- Session start time
 - Audio / visual alert (Remainder to operator to input valid ID#.
 - Real time clock
 - Operator ID# keypad input
 - Vehicle ID#
 - Automatic detection of all vehicle overloads. (Audio / visual alert)
 - Vehicle operation not disabled
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- **Optional Hardware**
 - * **Automatic safety check compliance**
 - **Vehicle Impact Detection**
 - **RFID Operator Card Reader**
 - **Weight scale**





Order No.

IHX-WEIGHT

- Sessin start time
- Audio / visual alert (Remainder to operator to input valid ID#.
- Real time clock
- Operator ID# keypad input
- Vehicle ID#
- Weight scale
- Accumulative load weight
- Vehicle operation not disabled

Optional Hardware

- * Automatic safety check compliance
- Vehicle Impact Detection
- RFID Operator Card Reader
- Overload
- Bluetooth module for mobile printer





Order No.

IHX-IMPACT

- Session start time
- Audio / visual alert (Remainder to operator to input valid ID#.
(Audio / visual alert)
- Real time clock
- Operator ID# keypad input
- Vehicle ID#
- Impact detection
(Audio / visual alert)
- Vehicle operation not disabled
- **Optional Hardware**
- * **Automatic safety check**
- **RFID Operator Card Reader**

