LiSphere
LABORATORY CONNECTIVITY

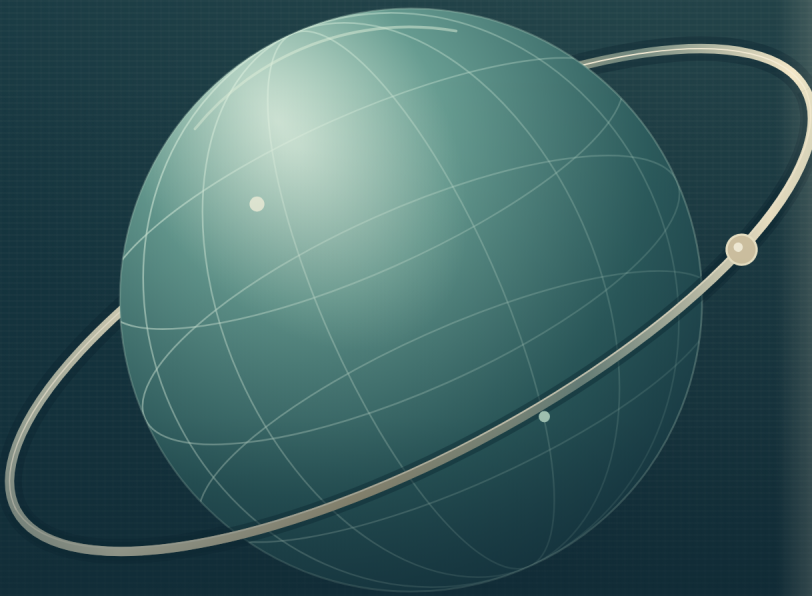
BRAND PROFILE
2026 EDITION

FROM THE BENCH TO THE BEDSIDE

LiSphere

CONNECTOR

Every instrument.
One seamless connection.



460+
Instrument models

160+
Manufacturers

24/7
Monitored

LiSphere

A technology of efacilities Systems & Services

WHO WE ARE

Connecting laboratories.
Supporting better care.

LiSphere brings laboratory instruments and healthcare information systems together, creating a dependable path from the test bench to the teams who need the result.

A technology of **efacilities Systems & Services**, LiSphere focuses on a practical challenge: helping laboratories work with the equipment they have, connect with confidence, and grow without adding unnecessary complexity.

PRIMARY LOCATION	NOW AVAILABLE IN
Abuja, Nigeria	**Waterloo, Canada**

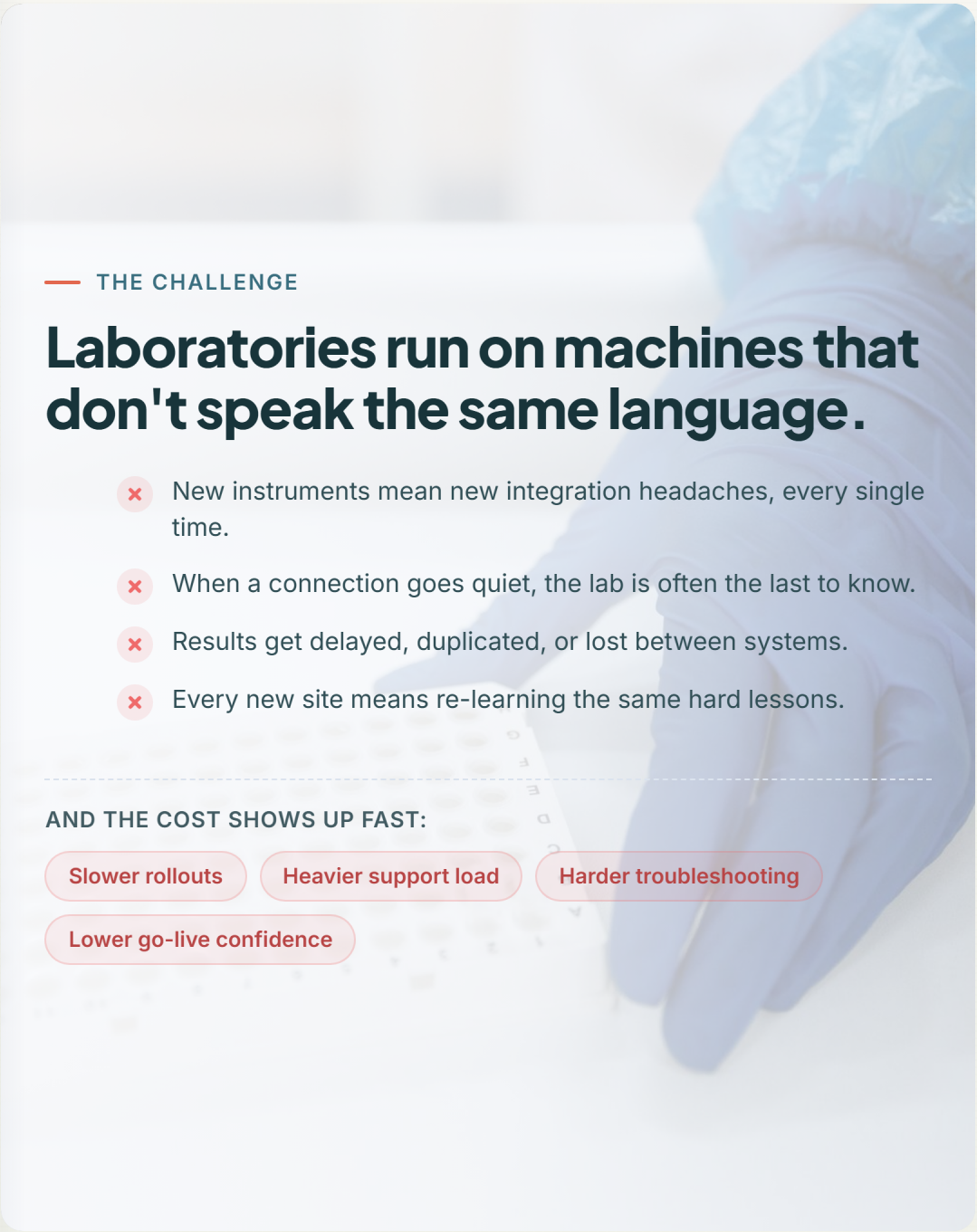
LEADERSHIP

Ubokobong Effiong

CEO



Our focus is simple: reliable connections, clearer operations, and more time for the work of the laboratory.



THE CHALLENGE

Laboratories run on machines that don't speak the same language.

- New instruments mean new integration headaches, every single time.
- When a connection goes quiet, the lab is often the last to know.
- Results get delayed, duplicated, or lost between systems.
- Every new site means re-learning the same hard lessons.

AND THE COST SHOWS UP FAST:

Slower rollouts | Heavier support load | Harder troubleshooting | Lower go-live confidence

THE CONNECTIVITY LAYER FOR MODERN LABORATORIES

Every lab instrument. *One seamless connection.*

LiSphere Connector links your laboratory analyzers, hospital systems, and care teams into one dependable, always-on flow of results – so nothing gets lost between the bench and the bedside.

460+
Instrument models

160+
Manufacturers

24/7
Monitored

Here's exactly how LiSphere solves it – turn the page to see the solution.

THE SOLUTION

One connector. Every analyzer. Total clarity.

The Connector
Always-on link to every instrument.

Results Highway
One dependable delivery channel.

Control Room
Live view of every session.

Rollout Toolkit
A guided path to production.

POSITIONING

LiSphere delivers. Your system still decides.

Before the Bench
Orders, patient details, accessioning – handled by your LIS or EMR, same as always.

↓

LISPHERE LIVES HERE

At the Bench
Your instruments run the test. LiSphere captures the result the moment it's ready.

↓

After the Bench
Verification, reporting, billing – your existing system, unchanged.

LiSphere isn't a replacement for your lab or hospital system – it's the reliable bridge that gets your instruments talking to it. **LiSphere delivers. Your system still decides.**

FOLLOW A SAMPLE

One sample. Five stages. *Order to result.*

EXPLORE **Stage 1: Doctor's Request** 1 / 5

T+0 MIN

Doctor's Request

An order is placed in the hospital or clinic system — before the sample ever leaves the patient's side.



Order created in the LIS/HIS
Tests are selected against the patient record and flagged for the lab queue.

Order pushed to the lab
LiSphere receives the order electronically the moment it is signed off — no fax, no re-keying.

Priority is set
Routine or STAT status travels with the order, so urgent samples are flagged before they even arrive.

> *Without LiSphere, this order lives on paper or in a silo until someone manually re-types it at the bench.*

FOLLOW A SAMPLE

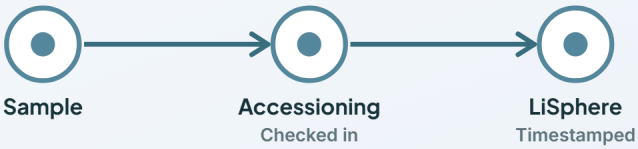
One sample. Five stages. *Order to result.*

EXPLORE **Stage 2: Sample Arrives at the Lab** 2 / 5

T+12 MIN

Sample Arrives at the Lab

The physical tube reaches accessioning — the order and the specimen now need to find each other.



Specimen logged in
The tube is checked in and matched against the expected order list.

Condition verified
Volume, hemolysis, and labeling are checked before anything touches an analyzer.

Turnaround clock starts
LiSphere timestamps arrival so every downstream delay is visible and accountable.

" *This is where a mislabeled tube usually gets caught — or missed.*

FOLLOW A SAMPLE

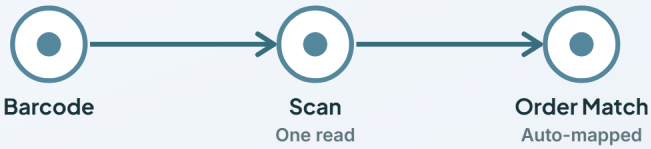
One sample. Five stages. *Order to result.*

EXPLORE **Stage 3: Barcode Read & Order Mapped** 3 / 5

T+15 MIN

Barcode Read & Order Mapped

A single scan links the physical sample to its digital order — the moment automation actually begins.



Barcode scanned once
One scan is all it takes; no re-entry at any downstream step.

Order auto-matched
LiSphere resolves the accession number against the original order in real time.

Test panel confirmed
The exact tests ordered are queued to the correct analyzer automatically.

> *Manual re-keying here is the single biggest source of mislabeled results industry-wide.*

FOLLOW A SAMPLE

One sample. Five stages. *Order to result.*

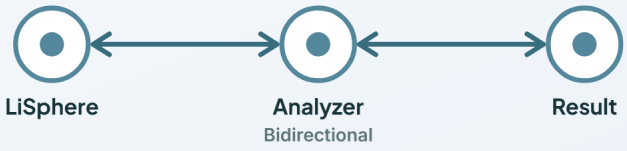
EXPLORE **Stage 4: Analyzer Session** 4 / 5

T+18–40 MIN

Analyzer Session

The sample is run. How results travel back depends on how the analyzer is connected.

Bidirectional



Analyzer receives the order
LiSphere sends the test list straight to the analyzer — no manual worklist entry.

Two-way check as it runs
The analyzer confirms it is running the right sample against the right order, live.

Results captured automatically
Results flow back the instant they are validated on the instrument.

" *Bidirectional means LiSphere and the analyzer talk both ways — zero manual worklist entry.*

FOLLOW A SAMPLE

One sample. Five stages. *Order to result.*

EXPLORE **Stage 4: Analyzer Session** 4 / 5

T+18–40 MIN

Analyzer Session

The sample is run. How results travel back depends on how the analyzer is connected.

Unidirectional



Worklist entered at the analyzer
The technologist keys the test list directly on the instrument.

One-way result capture
LiSphere listens for results and reads them off the analyzer as they post.

Still no paper, still logged
Even without two-way handshaking, every result is captured and timestamped automatically.

" *Bidirectional or not, LiSphere adapts to the instrument you already own — no forklift upgrade required.*

FOLLOW A SAMPLE

One sample. Five stages. *Order to result.*

EXPLORE **Stage 5: Result Returns to the Clinician** 5 / 5

T+45 MIN

Result Returns to the Clinician

The loop closes — a validated result lands back where the order started, automatically.



Result validated
Reference ranges and flags are applied before anything leaves the lab.

Sent back to the HIS/LIS
The result attaches itself to the original order — same patient, same encounter, no manual match-up.

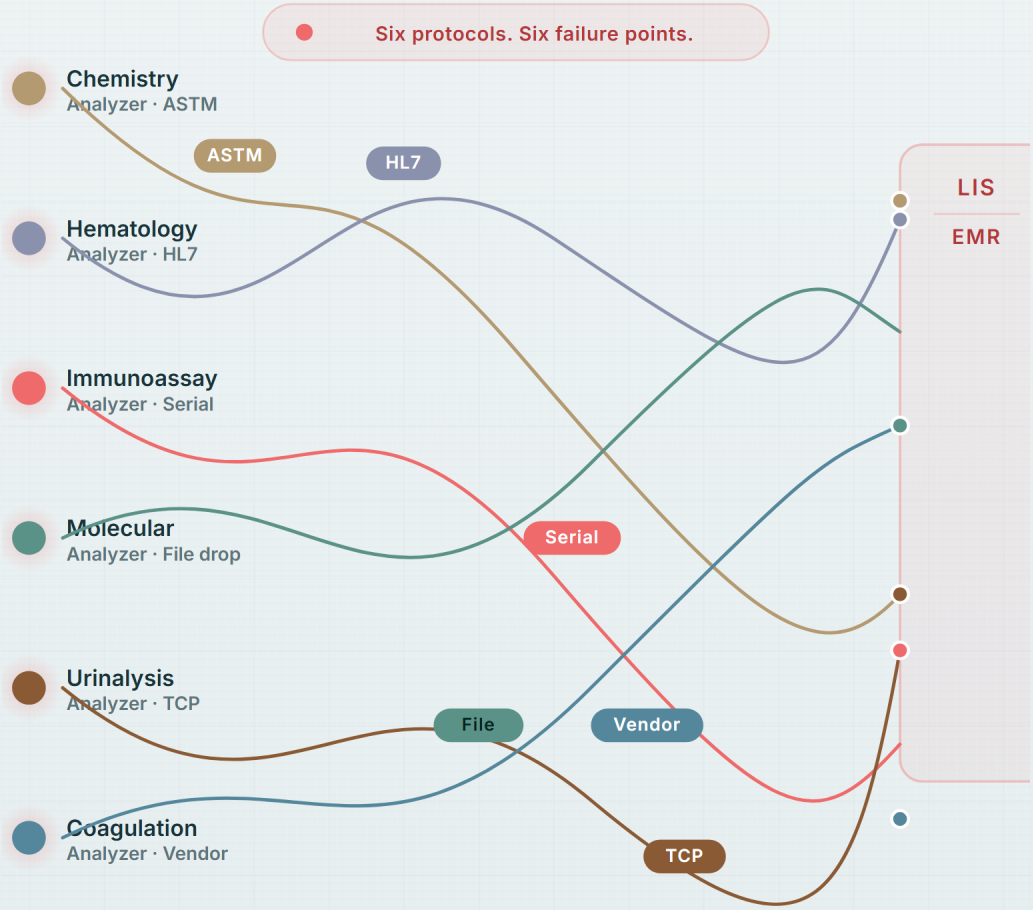
Clinician notified
The ordering clinician sees the result the moment it lands, critical values included.

> *From order to result, no one ever had to retype a single value.*

BEFORE LISPHERE

Six instruments. *Six fragile integrations.*

Each analyzer speaks its own language. Each one needs its own connection. When a link quietly drifts, nobody knows until a result fails to arrive.

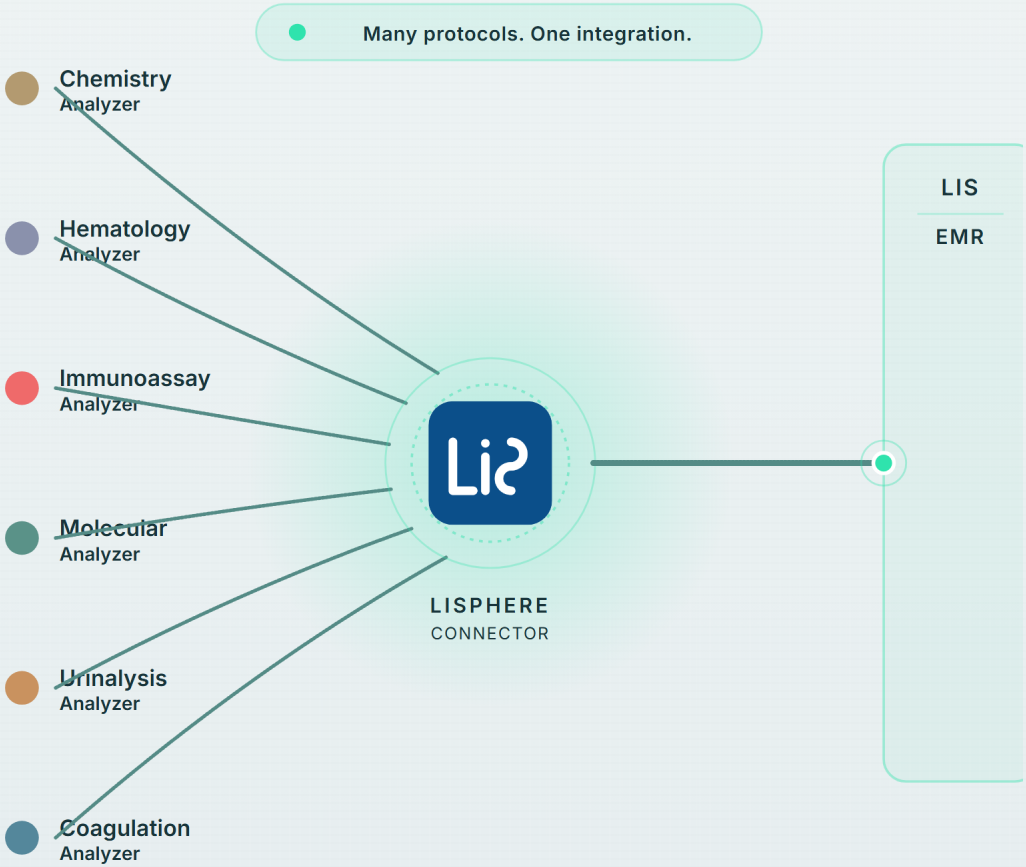


Every analyzer is a bespoke project – when one breaks, the whole lab feels it before anyone sees it coming.

AFTER LISPHERE

Same instruments. *One clean handoff.*

LiSphere absorbs every protocol at the machine edge and exposes one stable interface upstream. Your LIS, EMR, and middleware integrate once.



Analyzer complexity stays at the machine edge – upstream gets a single, durable, observable interface.

WORKS WITH VIRTUALLY ANY ANALYZER

Already fluent in your machines.

LiSphere meets analyzers exactly where they are – no matter how they were installed or when.

460+
Instrument models

160+
Manufacturers

Direct Cable
Classic bench links.

Local Network
Either direction, your lab LAN.

File Pickup
Folder drop-offs, automatic.

Cloud & Gateway
Secure remote delivery.

MANUFACTURERS WE ALREADY SPEAK TO

Every analyzer. *One connector.*

From the newest platform to a machine older than the technologist running it – browse by discipline, search by name, or drill into any manufacturer.

Abbott 18
Architect · Architect i · Alinity c · *+15*
TWO-WAY NETWORK

Bio-Rad 11
C1000 · CFX · D-10 · *+8*
TWO-WAY NETWORK

BioFire 2
FilmArray · Torch
TWO-WAY NETWORK

bioMerieux 15
CAL6000 · EasyMAG · eMAG · *+12*
TWO-WAY NETWORK

Biosynex 1
Amplidiag
TWO-WAY NETWORK

Bruker 3
Biotyper · MALDI Biotyper · MBT
TWO-WAY NETWORK

CellaVision 5
DM · DM1200 · DM96 · *+2*
TWO-WAY NETWORK

DiaMed 1
ID-System
TWO-WAY NETWORK

DiaSorin 3
ETI-Max · Integrated Cycler · Liaison
TWO-WAY NETWORK

Dymind 1
DH
TWO-WAY NETWORK

E-LAB 2
EC · EC-8ID
TWO-WAY NETWORK

ELITe 1
InGenius
TWO-WAY NETWORK

Grifols 3
ASTM · Erytra · Erytra Eflexis
TWO-WAY NETWORK

Hologic 3
Panther · Panther Fusion · ThinPrep
TWO-WAY NETWORK

Immucor 3
ECHO · Galileo · Galileo Neo
TWO-WAY NETWORK

Leica 3
Aperio · Aperio GT 450 · BOND
TWO-WAY NETWORK

SHOWING **83** OF **83** VENDORS

New instruments and connection types are added continually. Don't see yours? Ask us – chances are we already do.

MANUFACTURERS WE ALREADY SPEAK TO

Every analyzer. *One connector.*

From the newest platform to a machine older than the technologist running it – browse by discipline, search by name, or drill into any manufacturer.

Medica 3
EasyCell · EasyCell Plus · EasyRA
TWO-WAY NETWORK

Mindray 22
BA-88 · BC-2 · BC-3 *+19*
TWO-WAY NETWORK

Morphogo 1
AI
TWO-WAY NETWORK

Nova 2
Stat Profile · StatStrip
TWO-WAY NETWORK

Orgentec 1
Alegria
TWO-WAY NETWORK

Ortho 7
AutoVue · BioVue Vision *+4*
TWO-WAY NETWORK

PixCell 1
HemoScreen
TWO-WAY NETWORK

Qiagen 6
QIAsymphony · QIAsymphony SP · QIAstat *+3*
TWO-WAY NETWORK

Quotient 1
DIANA
TWO-WAY NETWORK

Radiometer 2
ABL · AQT90
TWO-WAY NETWORK

Roche 32
cobas c · cobas c111 · cobas c303 *+29*
TWO-WAY NETWORK

Seegene 1
(Various)
TWO-WAY NETWORK

Shimadzu 1
AXIMA
TWO-WAY NETWORK

Siemens 29
ADVIA · ADVIA 1800 · ADVIA 2120 *+26*
TWO-WAY NETWORK

Snibe 1
Maglumi
TWO-WAY NETWORK

Sysmex 23
CA- · CN- · CS *+20*
TWO-WAY NETWORK

SHOWING **83** OF **83** VENDORS

New instruments and connection types are added continually. Don't see yours? Ask us – chances are we already do.

MANUFACTURERS WE ALREADY SPEAK TO

Every analyzer. *One connector.*

From the newest platform to a machine older than the technologist running it – browse by discipline, search by name, or drill into any manufacturer.

Ventana 1
(Various)
TWO-WAY NETWORK

VitaDataLink 2
CA1603
CA1603-FTP
TWO-WAY NETWORK

YHLO 1
Vision Pro
TWO-WAY NETWORK

Arkray 3
ADAMS A1c · Aution · HA-8380
NETWORK + CABLE

BD 14
BACTEC · EpiCenter · FACS · *+11*
NETWORK + CABLE

Beckman C… 21
Access · AQUIOS · AU · *+18*
NETWORK + CABLE

Boule 4
BM850 · Exigo · Medonic M32 · *+1*
NETWORK + CABLE

Cepheid 3
GeneXpert · GeneXpert Infinity · GeneXpert-file
NETWORK + CABLE

Hitachi 7
9 · 902-native · CLA · *+4*
NETWORK + CABLE

Thermo Fisher 9
Gallery · Indiko · Konelab · *+6*
NETWORK + CABLE

Werfen 7
ACL 9000 · ACL Elite · ACL TOP · *+4*
NETWORK + CABLE

77 Elektronika 2
LabUMat · URISED
SERIAL CABLE

Alifax 1
(Various ESR)
SERIAL CABLE

Awareness 1
Stat Fax 3300
SERIAL CABLE

BioSystems 1
BA
SERIAL CABLE

Canon 1
TBA
SERIAL CABLE

Carolina 1
Liquid
SERIAL CABLE

Diatron 1
(Various)
SERIAL CABLE

Diesse 2
Cube 30
Cube 30 Touch
SERIAL CABLE

Dirui 1
H-
SERIAL CABLE

SHOWING **83** OF **83** VENDORS

New instruments and connection types are added continually. Don't see yours? Ask us – chances are we already do.

MANUFACTURERS WE ALREADY SPEAK TO

Every analyzer. *One connector.*

From the newest platform to a machine older than the technologist running it – browse by discipline, search by name, or drill into any manufacturer.

Drew Scienti… 1 D3 SERIAL CABLE	**Dynex** 4 DS2 DSX MRX *+1* SERIAL CABLE	**Elitech** 1 Selectra SERIAL CABLE	**Erba** 7 Elite580 H360 H560 *+4* SERIAL CABLE
Fujifilm 2 Dri-Chem FDC SERIAL CABLE	**Furuno** 1 FCA SERIAL CABLE	**Getein** 3 GP-1100 GP-1600 1600 SERIAL CABLE	**Helena** 2 Coag-A-Mate PACT-4 SERIAL CABLE
HemoCue 1 (Various) SERIAL CABLE	**Horiba ABX** 4 ABX Micros Pentra Pentra-FTP *+1* SERIAL CABLE	**Inova** 1 QUANTA-Lyser SERIAL CABLE	**Iris** 1 iQ200 SERIAL CABLE
Menarini 3 ESR Starrsed Urilux SERIAL CABLE	**Nihon Kohden** 2 Celltac MEK SERIAL CABLE	**Phadia** 1 ImmunoCAP SERIAL CABLE	**Quidel** 4 Sofia Solana Triage Meter *+1* SERIAL CABLE
Randox 2 Imola RX SERIAL CABLE	**Sebia** 1 Capillarys SERIAL CABLE	**Sekisui** 1 HEMOSTAT SERIAL CABLE	**Stago** 7 QuattroMicro Satellite STA *+4* SERIAL CABLE

SHOWING **83** OF **83** VENDORS

New instruments and connection types are added continually. Don't see yours? Ask us – chances are we already do.

MANUFACTURERS WE ALREADY SPEAK TO

Every analyzer. *One connector.*

From the newest platform to a machine older than the technologist running it – browse by discipline, search by name, or drill into any manufacturer.

TECO 2
Coatron · Thrombolyzer
SERIAL CABLE

Tosoh 2
AIA · G
SERIAL CABLE

URIT 1
(Various)
SERIAL CABLE

YD Diagnosti… 1
URiSCAN
SERIAL CABLE

Applied Bios… 5
7500 · 7500-fast-file · 7900 · *+2*
FILE-BASED

Fully 1
Fully
FILE-BASED

Hain Lifescie… 1
FluoroCyclerXT
FILE-BASED

HPRIM 2
2.x · NET
FILE-BASED

SiLA 1
2
FILE-BASED

Weber 2
MugelSET · Weber
FILE-BASED

FHIR 1
R4
HTTP / FHIR

SHOWING **83** OF **83** VENDORS

New instruments and connection types are added continually. Don't see yours? Ask us – chances are we already do.

RELIABILITY

Never miss a result. *Never lose a night's sleep.*

Always Delivered

Held and retried until reachable – nothing lost to a hiccup.

- Auto-retried if briefly unreachable

Always Visible

Live dashboard of every analyzer's health and every result.

- Queue depth and sessions at a glance

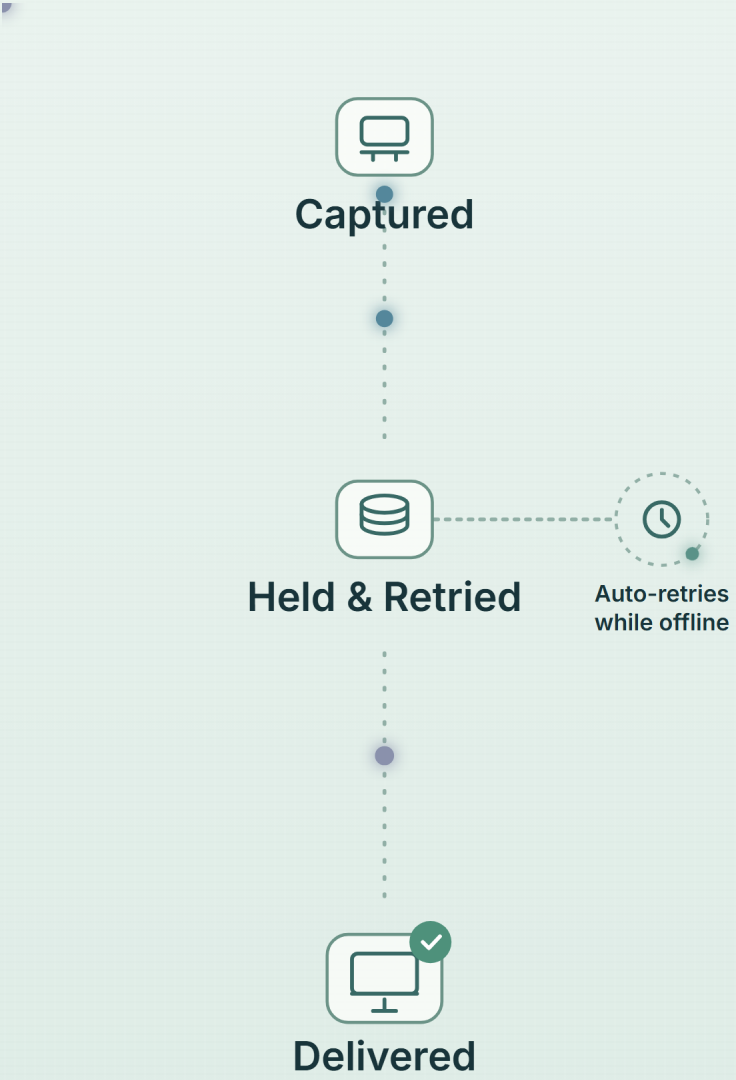
Always Protected

Secure by design – encrypted, controlled access, every step.

- Every release verified before it ships

Never lose a result to a bad connection

What happens when a destination goes quiet mid-delivery – nothing is dropped, nothing needs a human to notice.



MEASURED, NOT CLAIMED

Faster than a blink. *Every single time.*

We don't just promise speed – we measure it, on real benches, with real analyzers, across hundreds of thousands of transactions a day.

356ms

From an analyzer's first question to a confirmed answer.

Roughly a third of a second – well within every analyzer's patience window.

01 · The Ask

Total **356 ms**

The instrument asks LiSphere what to run. Here is that entire conversation, start to finish.

0 ms	38 ms	96 ms	164 ms	231 ms	356 ms
Analyzer asks	Intent read	Response ready	Channel opens	Acknowledged	Confirmed

02 · The Answer

Total **< 1 s**

When the result is ready, it travels back safely – no clinician ever left wondering where it went.

0 ms	52 ms	240 ms	480 ms
Result sent	LiSphere reads it	Safely stored	Accepted & mapped



BEYOND SPEED

When the wire gets messy, *LiSphere keeps its footing.*

Real laboratories aren't clean rooms. Cables get bumped, firmware drifts, frames arrive damaged. LiSphere is engineered for that reality – not a sanitized version of it.

Finds the way, automatically

AUTO

Point LiSphere at an unfamiliar analyzer and it works out the right pathway itself – matching sample messages against every registered profile, with a confidence score. No configuration guesswork.

Recovers what looked lost

RESILIENT

A damaged frame isn't a lost result. LiSphere keeps every byte in a durable journal, so anything that fails to parse can be replayed and reconstructed – without ever asking the analyzer to repeat itself.

Understands “almost right”

AWARE

A newer firmware may shift the format slightly, a different cable a subtle timing quirk. LiSphere notices those small deviations, keeps working through them, and quietly flags them – no crisis, no service call.

Never loses a result

DURABLE

Every result is written down before the analyzer hears a single confirmation. Power cut, network drop, hours of silence upstream – nothing is lost. LiSphere resumes exactly where it left off.

BEYOND SPEED

When the wire gets messy, *LiSphere keeps its footing.*

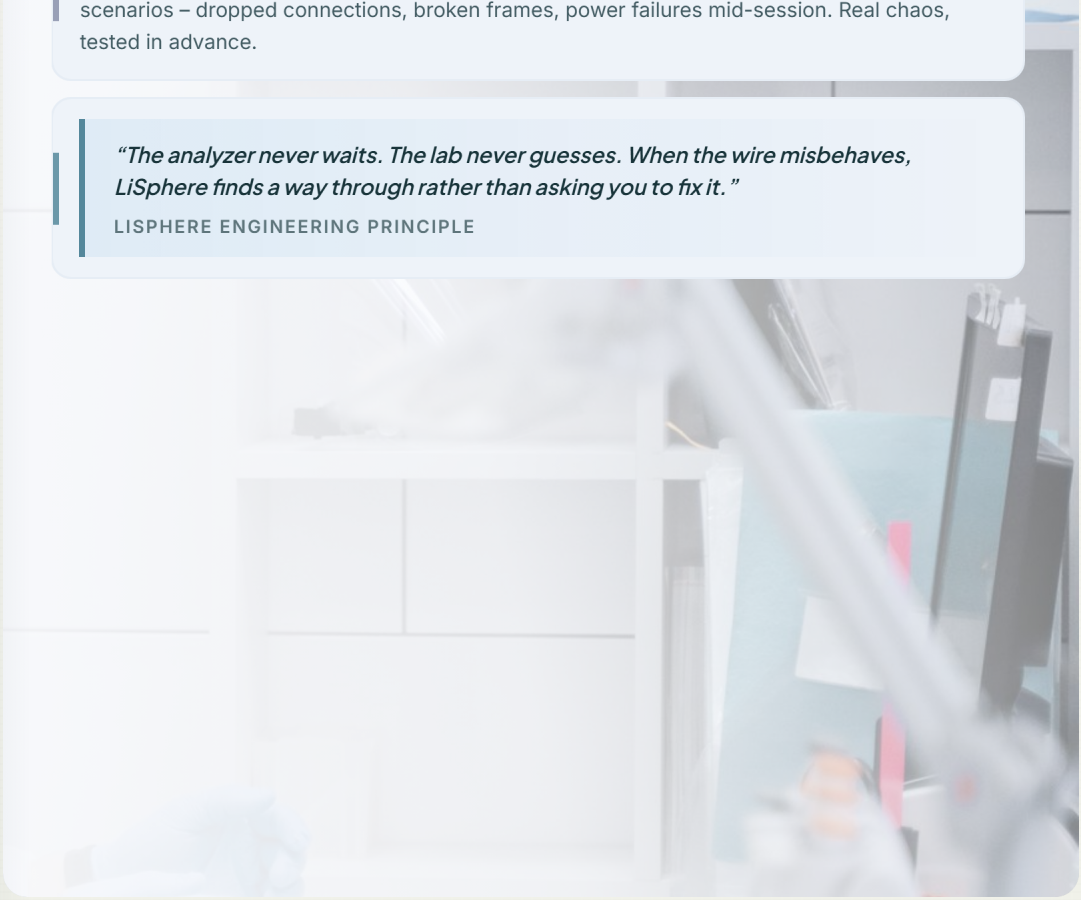
Real laboratories aren't clean rooms. Cables get bumped, firmware drifts, frames arrive damaged. LiSphere is engineered for that reality – not a sanitized version of it.

Tested against real chaos

BATTLE-TESTED

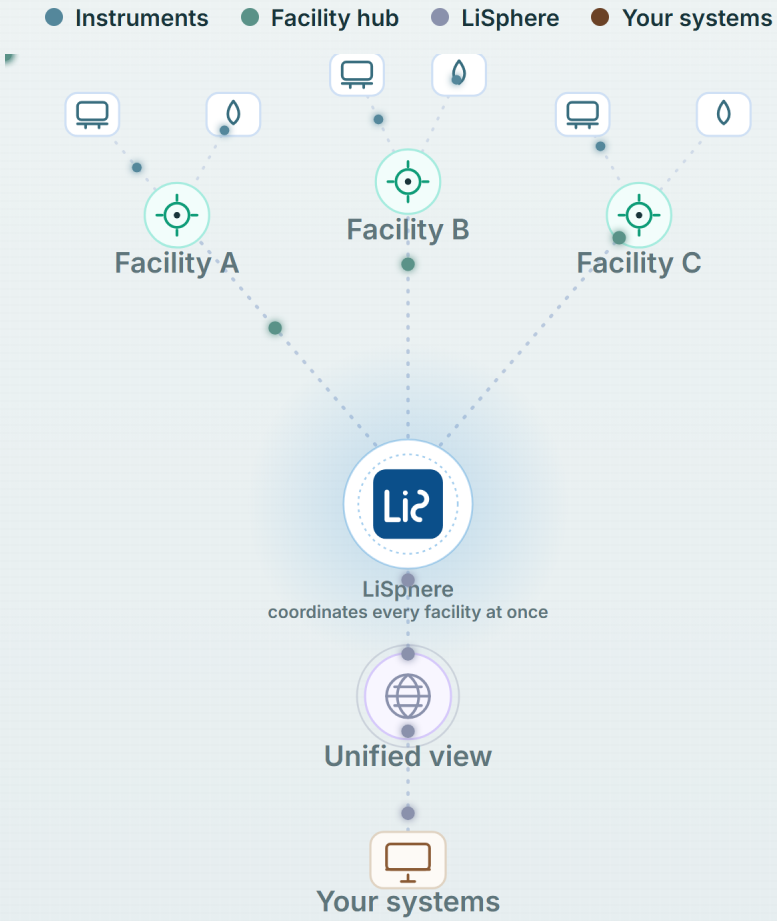
Before LiSphere reaches your bench, it has already faced hundreds of deliberately corrupted scenarios – dropped connections, broken frames, power failures mid-session. Real chaos, tested in advance.

> *"The analyzer never waits. The lab never guesses. When the wire misbehaves, LiSphere finds a way through rather than asking you to fix it."*
>
> LISPHERE ENGINEERING PRINCIPLE



SCALE

One hub. Every facility, coordinated at once.



PER-SITE, UNIFIED

One platform. Every scale.

Each facility keeps its own configuration and reporting profile – codes, keys, ports, and test-catalog mapping – while your organization keeps one unified view across every site.

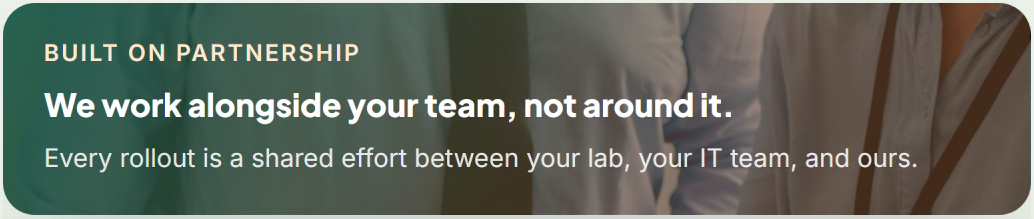
- Per-Analyzer Setup
- Per-Facility Profile
- Organization-Wide Visibility

Pilot once. Standardize once. Scale everywhere – the same product supports a single-analyzer pilot, a single-lab rollout, or a multi-facility deployment.

HOW IT WORKS

Nothing about your rollout is left to guesswork.

1. **Package**
   Your dedicated environment, prepared.
2. **Install**
   On-site, connected to real instruments.
3. **Validate**
   Tested live on the bench before go-live.
4. **Connect**
   Linked to your hospital or lab system.
5. **Go Live**
   Monitored, supported, production-ready.



BUILT ON PARTNERSHIP

We work alongside your team, not around it.

Every rollout is a shared effort between your lab, your IT team, and ours.

Independent Labs

Days, not months, to connect.

Hospital Networks

Accountability clinical ops demand.

Public Health

One pattern, repeated cleanly.

Implementation Partners

A story you reuse every time.

FAQ

What people ask before they call us.

How long to get a lab connected?

Most single-analyzer pilots go from first test to a validated bench connection in days, not months.

What if you don't support our analyzer?

LiSphere already speaks to 460+ instrument models across 160+ manufacturers, and new ones are added continually.

Does LiSphere replace our LIS?

No. LiSphere sits between your instruments and your existing system, so it keeps doing what it does well.

Can it run across more than one site?

Yes – a single bench, a single facility, or a multi-facility organization, each with its own configuration.

What happens if a connection drops?

Results are safely held and automatically retried until delivered – nothing is lost to a hiccup.

What support do we get after go-live?

A live view of every analyzer, session, and result, plus a monitored production environment.

Does it handle orders, or just results?

Both, where supported – a barcode scan can fetch the order before testing even starts.

What usually goes wrong with connections?

Bad setup, format mismatches, or silent degradation – LiSphere is built against all three.

SEE IT END TO END



From the bench to clinical action – with confidence.

Bring us your analyzer. LiSphere handles the connection, the delivery, and the operational truth in between.

- **Speed** – a shorter path from instrument to useful integration.
- **Confidence** – cleaner testing, monitoring, and troubleshooting.
- **Control** – one dependable platform, from pilot to production.

LiSphere
A technology of efacilities Systems & Services

Abuja, Nigeria · Primary location
Now available in **Waterloo, Canada**

Ubokobong Effiong
CEO



+234 703 380 4698 Connect on LinkedIn

efacilitiessystems@gmail.com

Request a walkthrough

Tell us a little about your lab. We'll be in touch shortly.

Full name

Jane Okafor

Organization

Sunrise Diagnostics Lab

Work email

jane@yourlab.com

What would you like to connect?

e.g. 3 chemistry analyzers

FROM THE TEAM

To the team we share a bench with,

We built LiSphere because we spent years watching brilliant lab teams fight their tools instead of using them. The late-night calls. The sticky notes. The instrument that arrives as an obligation instead of a gift.

We couldn't fix every instrument. But we could build the layer that lets them all speak — the new ones and the old ones, the talkative and the silent. Every result, accounted for. Every patient, safe.

This isn't just software to us. It's a promise that when you walk into your lab tomorrow morning, everything is where you left it. Nothing lost. Nothing guessed.

Thank you for letting us share your bench.

With gratitude,

The LiSphere Team

BUILT ON A BENCH, FOR THE BENCH · 2026

LiSphere
LABORATORY CONNECTIVITY

CONNECT.
WITH CONFIDENCE.

A CALMER, CONNECTED LABORATORY

Built for the bench. Connected to care.

One dependable connection between your instruments, your systems, and the people who count on every result.

01 Connect your instruments.

02 See every result through.

03 Move forward with confidence.

LET'S CONNECT YOUR LABORATORY

efacilitiessystems@gmail.com