Location Intelligence is the New Business Intelligence

Lepton

AI/ML Powered
Fibre Network GeoSuite

Our Credentials

Lepton

Global Leader

in Location Intelligence & Analytics

Serving 200+
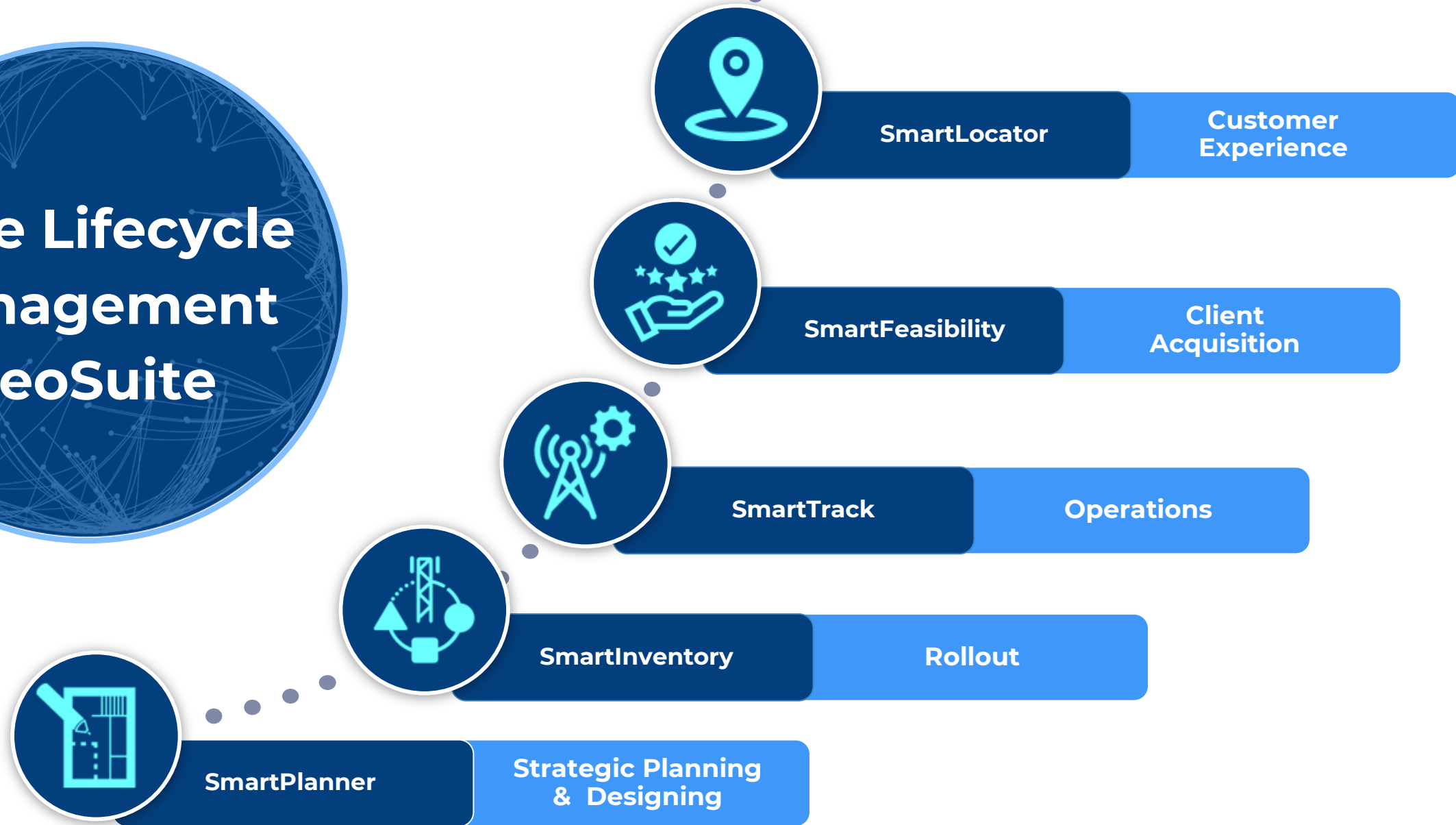
Companies

More than 65%

Market Share in India

Case for AI/ML in Telecom

- Every element in communication network is **inherently connected**.

- GIS system provide **Civil, Cable, Equipment records with location intelligence**.

- Network is kind on an **IoT, generating lots of data**.

- Modern network nodes all generate **structured data files** (json or xml).

- Management systems too capture loads of data like **Events, Requests, Complaints**.

Network Access Product Suite

Lepton

Fibre Lifecycle Management GeoSuite

SmartLocator — Customer Experience

SmartFeasibility — Client Acquisition

SmartTrack — Operations

SmartInventory — Rollout

SmartPlanner — Strategic Planning & Designing

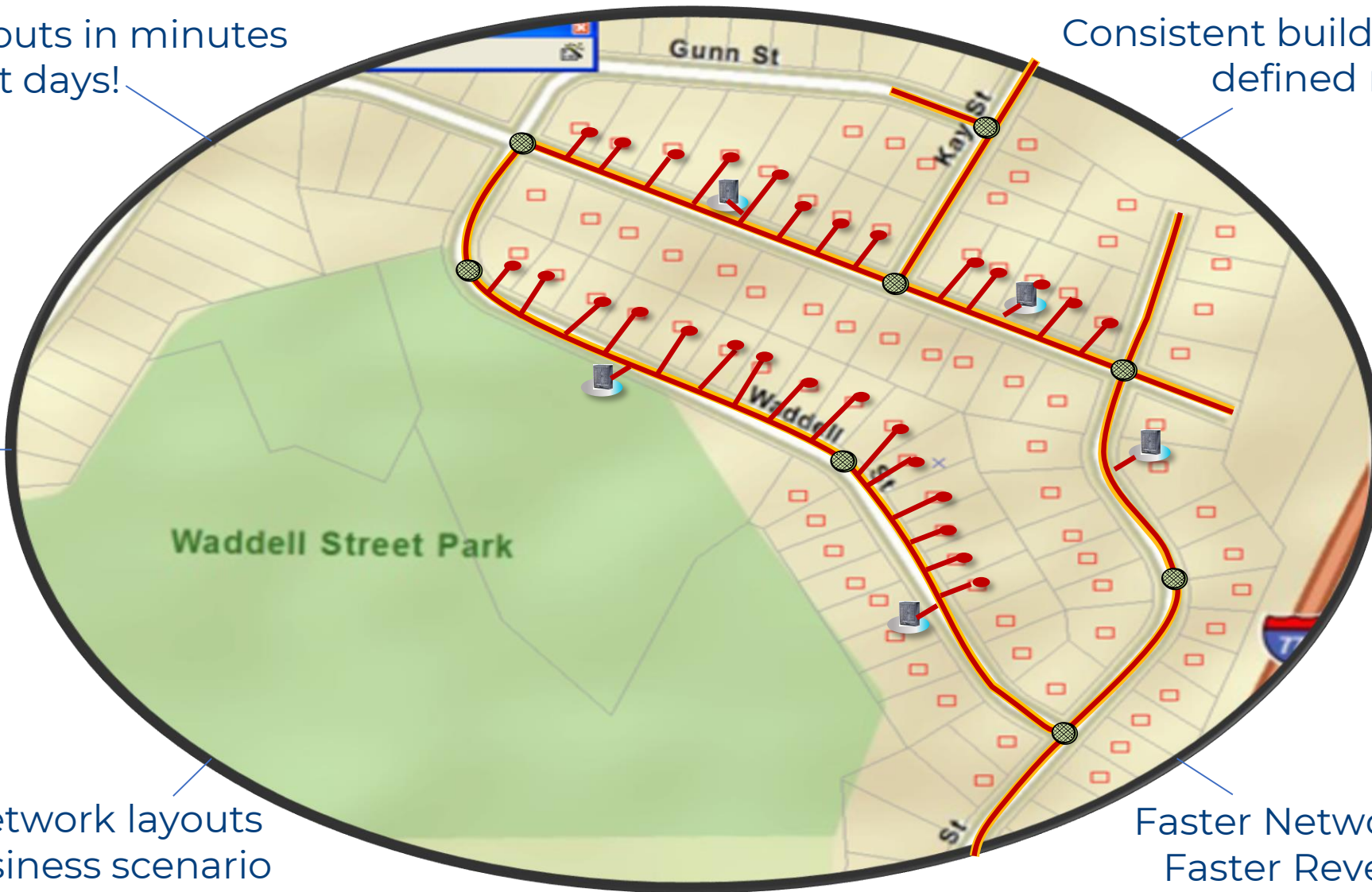# Robotic Planning

Plan build-outs in minutes not days!

Consistent build-outs using pre-defined rule sets

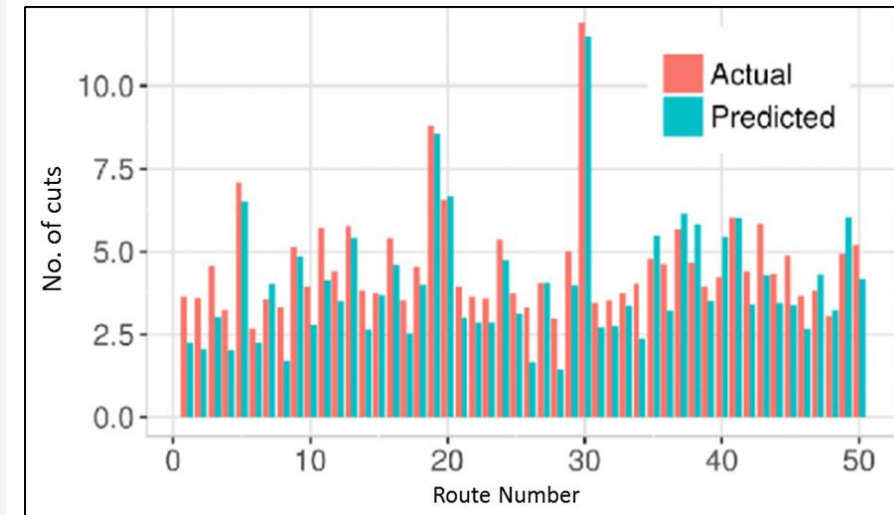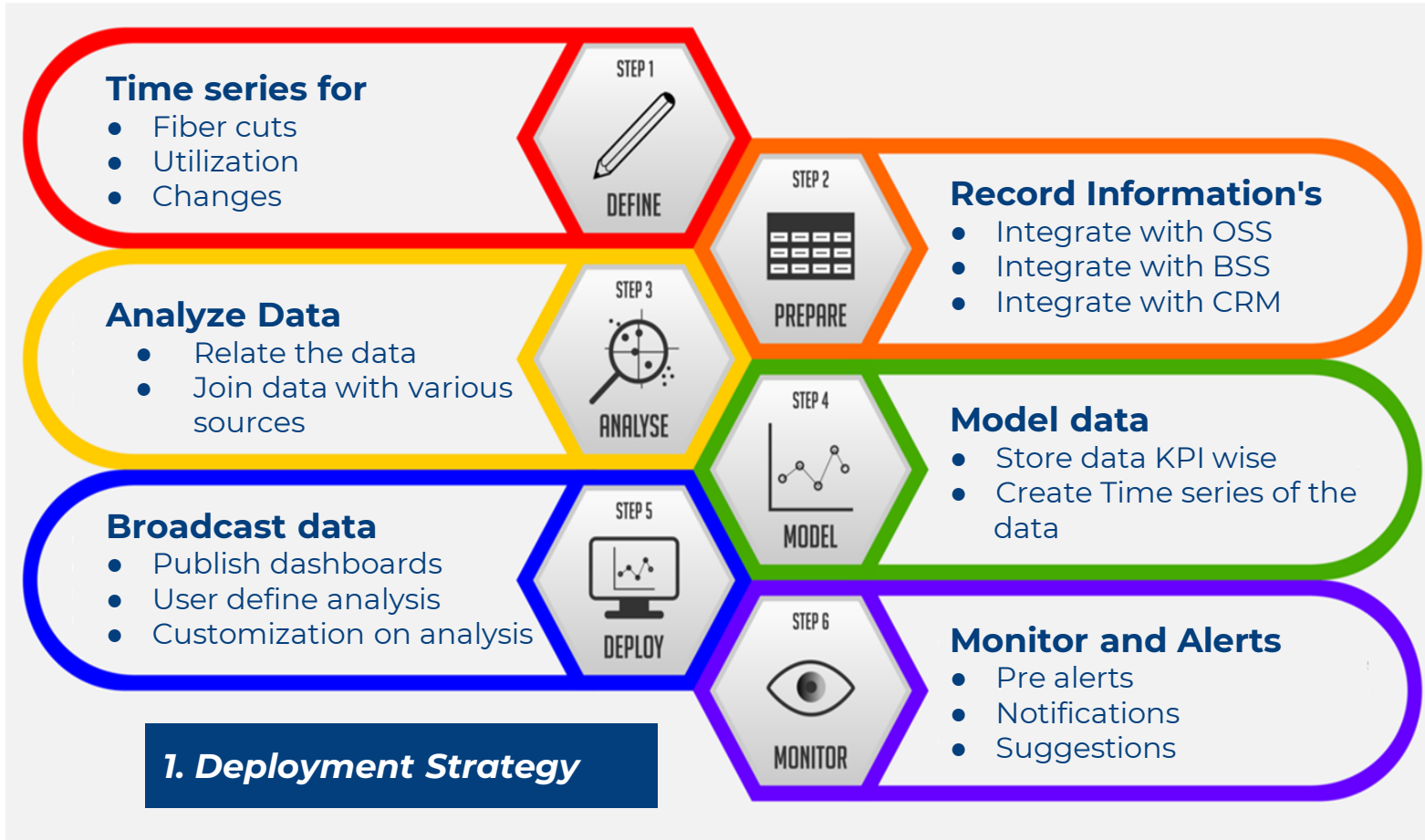Leverage Expert Knowledge

Enforce Corporate Policy Rules

Optimize network layouts for every business scenario

Faster Network Builds Lead to Faster Revenue Realization
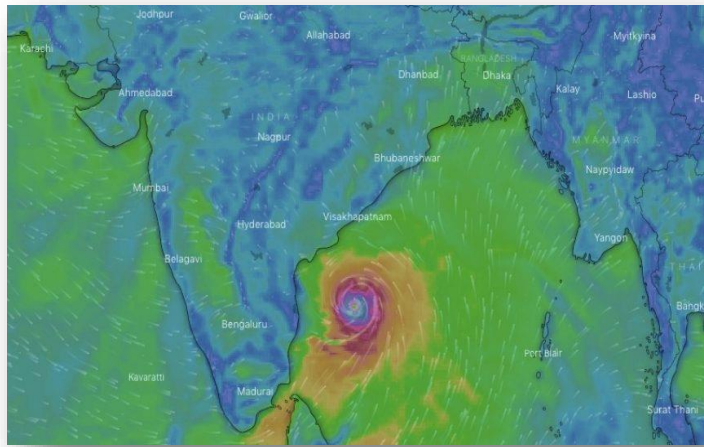
Time Series Forecasting for Fibercuts

Lepton

Time series for
- Fiber cuts
- Utilization
- Changes

STEP 1 — DEFINE

STEP 2 — PREPARE

Record Information's
- Integrate with OSS
- Integrate with BSS
- Integrate with CRM

Analyze Data
- Relate the data
- Join data with various sources

STEP 3 — ANALYSE

STEP 4 — MODEL

Model data
- Store data KPI wise
- Create Time series of the data

Broadcast data
- Publish dashboards
- User define analysis
- Customization on analysis

STEP 5 — DEPLOY

STEP 6 — MONITOR

Monitor and Alerts
- Pre alerts
- Notifications
- Suggestions

1. Deployment Strategy

No. of cuts — Route Number — Actual / Predicted

2. Prediction of fiber cuts

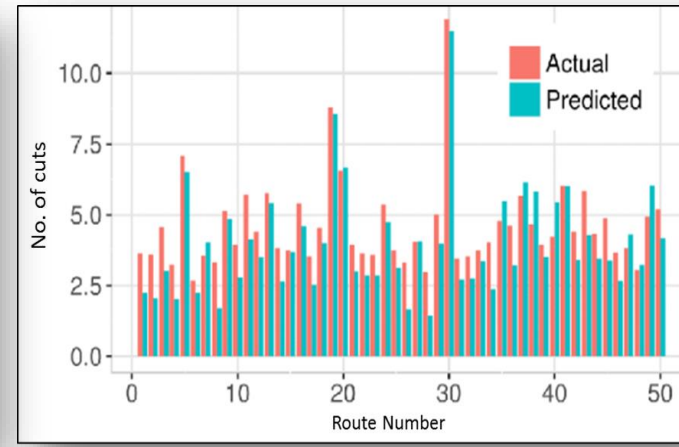# Efficient Patrol Plans

1. Example of road widening using satellite images

2. Forecast from MET department

3. Prediction of fiber cuts

Summary

- Telecoms have access to high volumes of network data
- Existing operational processes cannot scale to handle the volumes & variety of data effectively and AI needs to step in
- Location technologies help power correlation engines for providing insights and actionable intelligence

Contact Us

1. Lepton Software Export & Research (P) Ltd
570, Jwala Mill Road, Udyog Vihar, Phase-V,
Gurgaon, Haryana, INDIA
Phone : +91- 9953317168 | Fax : +91-124-2340104

2. Lepton Software Pte Ltd.
1#07-10, North Bridge Road, High Street Centre,
Singapore - 179094

3. Lepton Software Trading FZCO
Dubai Silicon Oasis Headquarters Building, 4th Floor,
C & D Wing, PO Box 341041, Dubai Silicon Oasis,
Dubai (UAE) | Phone: +971 502738969

4. Lepton Software Inc.
3524 Silverside Road Suite 35B,
Wilmington, DE 19810-4929, **USA**
Phone : +1 8455050445

Email: marketing@leptonsoftware.com