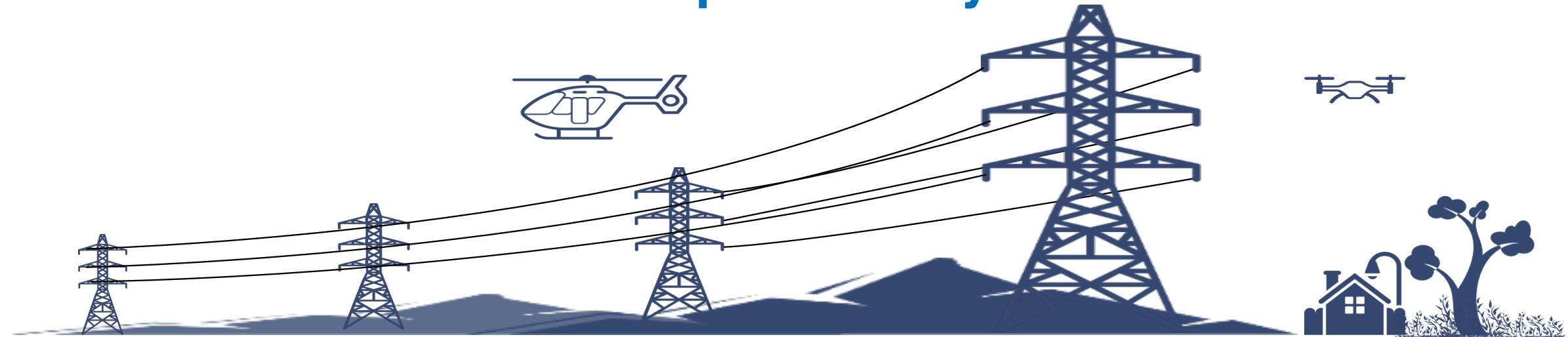


AI based Predictive Prescriptive Analytics for Indian Utilities



aws partner network

BSES

Energy Innovation Centre

SCOTTISHPOWER

NORTHERN POWERGRID
delivering power all day, every day

Northern Ireland Electricity

MPL
MAITHON POWER LIMITED

ETE
connectivity

UKaid
for the better people

Department for International Development

Ministry of Rural Development
Government of India

TATA
POWER

esa bic UK

adani

Science & Technology
Facilities Council

VIDRONA

vSense:

AI Based Predictive Prescriptive Analytical Platform for Transmission & Distribution

Dr. Ashutosh Natraj
CEO, VIDRONA LTD UK

Shailendra Natraj
CTO, GERMANY

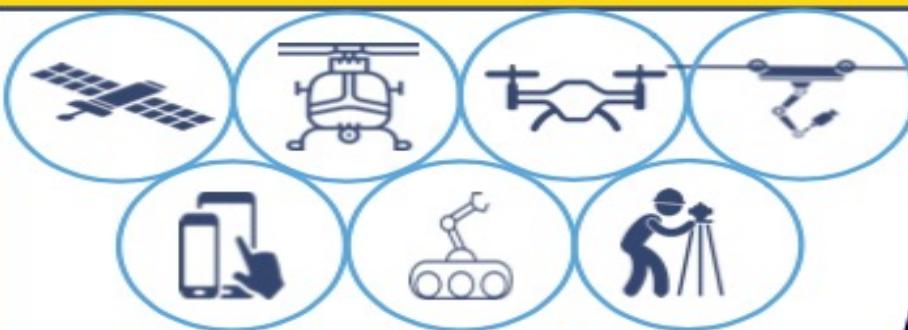




VIDRONA

AI BASED PREDICTIVE PRESCRIPTIVE ANALYTICS COMPANY FOR UTILITIES

AI INSPIRED PREDICTIVE ASSET MANAGEMENT



UNIVERSITY OF
OXFORD



UK Research
and Innovation



tower 95%



tower 88%



tower 100%



Vidrona's AI and Augmented Reality in action to help repair and maintenance engineers

O&M Benefits using AI

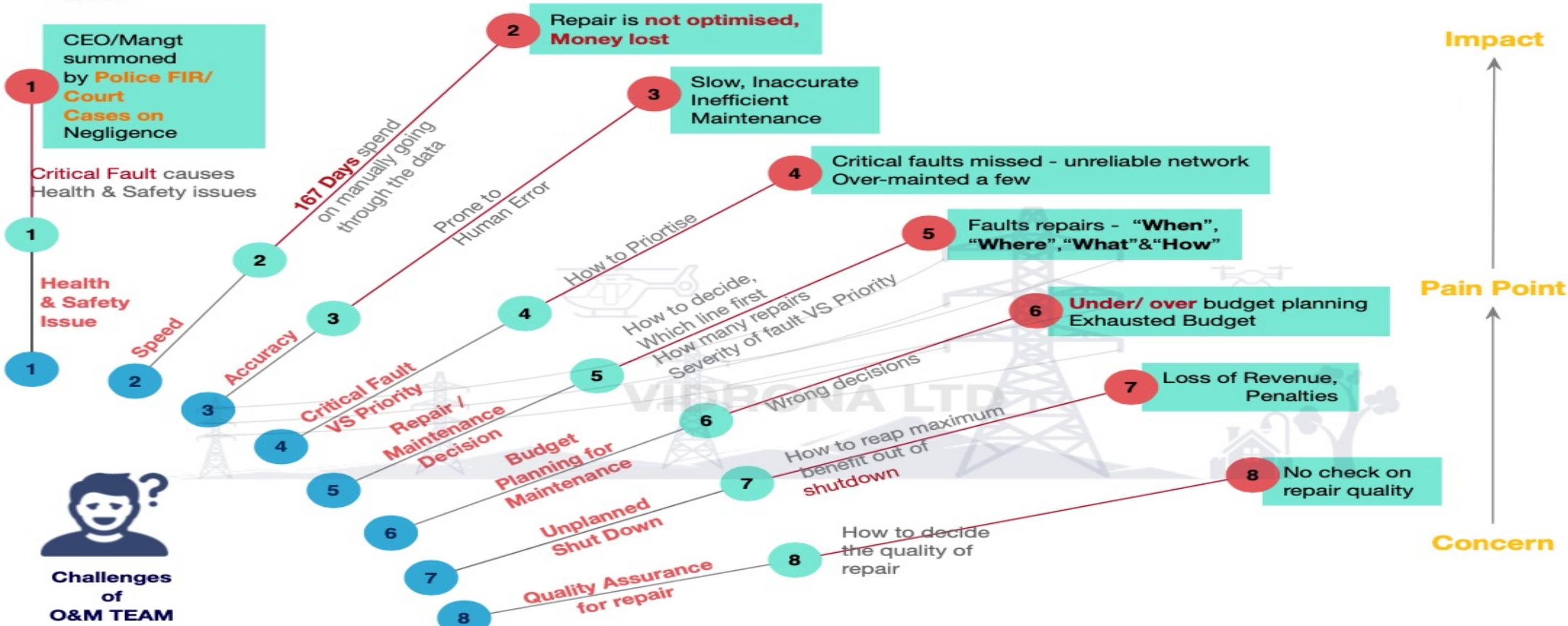
- Faster 7X
- Precision with accuracy 100%
- Cost Savings upto 60%
- Optimised
- Efficient
- Cost Effective





WHY VIDRONA'S AI PLATFORM

LACK OF AI BASED PLATFORM FOR O&M ACTIVITY

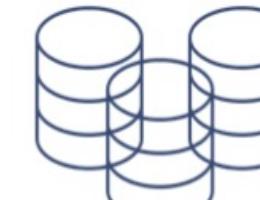




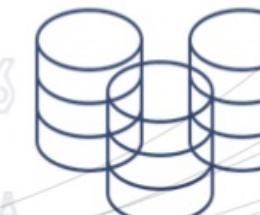
GAP ANALYSIS

LACK OF ANALYTICAL SOFTWARE PLATFORM

Data Collection Platform



Collected Data



Collected Data



TBs of Big Data



WHAT TO DO WITH THE COLLECTED IMAGERY / DATA

1. Does it provide intelligence ?
2. Does it provide predictive analytics ?
“What”, “Where” “how”
3. Foresee future faults ?
“When”

Sample Report submitted by Drone Operators
How is it helping the Utility



Inspection Details

Issue No	Severity	Issues	Comments
13	Low	No Issues	Condition of top insulator CKT2: OK
14	Low	No Issues	Condition of middle insulator CKT2: OK
15	Low	No Issues	Condition of bottom insulator CKT2: OK

Customer Assets ≥500 towers already benefit

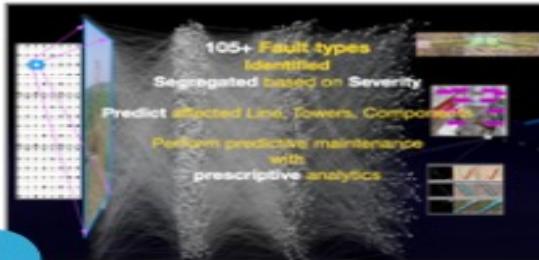


VIDRONA

vSENSE

VIDRONA'S AI ML PREDICTIVE PRESCRIPTIVE ANALYTICS SOLUTION

Analytics



What, Where, Who, How



When



WIN



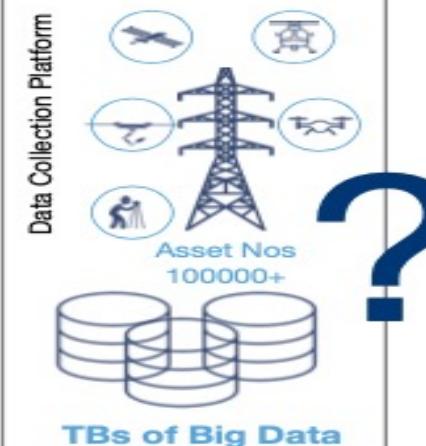
Analytics

Predictive Analytics
AI, ML, Big Data

Overall Visualisation
99.8 % Accuracy

Quick Decision
O&M is optimised, Efficient &
Cost Effective
transparent data across
O&M Team

3.5 X
Return on Investment



167 Days Human Eyes
~5.5 Months + 1 Month Report



Can you afford to wait for 6 months ?



VIDRONA: vSENSE

AI BASED PREDICTIVE PRESCRIPTIVE ANALYTIC SOFTWARE PLATFORM

Patrolling/Inspection



Asset Nos
100000+



Optical Data

Thermal Data

Data Collection Platform

TBs of Big Data

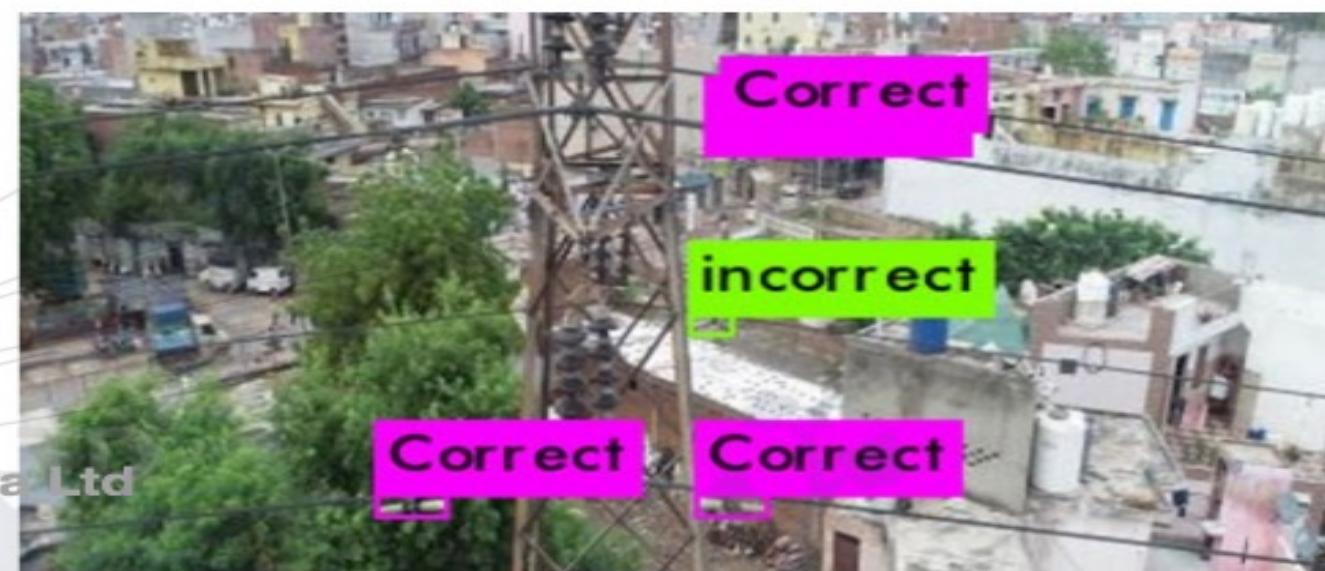


vSense®
“AI based Predictive Prescriptive Analytics”
Software Platform



DISTRIBUTION NETWORK - EXPLORE 105+ TYPES OF FAULT ISOLATION

AI BASED ANALYTICAL SOFTWARE PLATFORM



EXPLORE ALL THE 105+ TYPES OF FAULT ANALYTICS



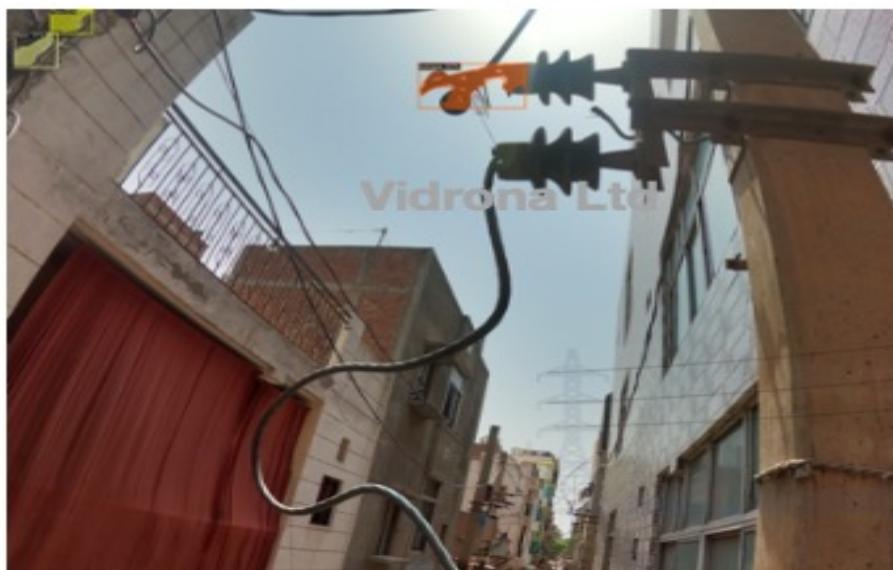


DISTRIBUTION NETWORK - HVDS SYSTEM

AI BASED ANALYTICAL SOFTWARE PLATFORM



EXPLORE ALL THE 105+ TYPES OF FAULT ANALYTICS



Vidrona Ltd, UK

www.vidrona.com

+44 7469231693

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DISTRIBUTION NETWORK - HVDS SYSTEM

AI BASED ANALYTICAL SOFTWARE PLATFORM



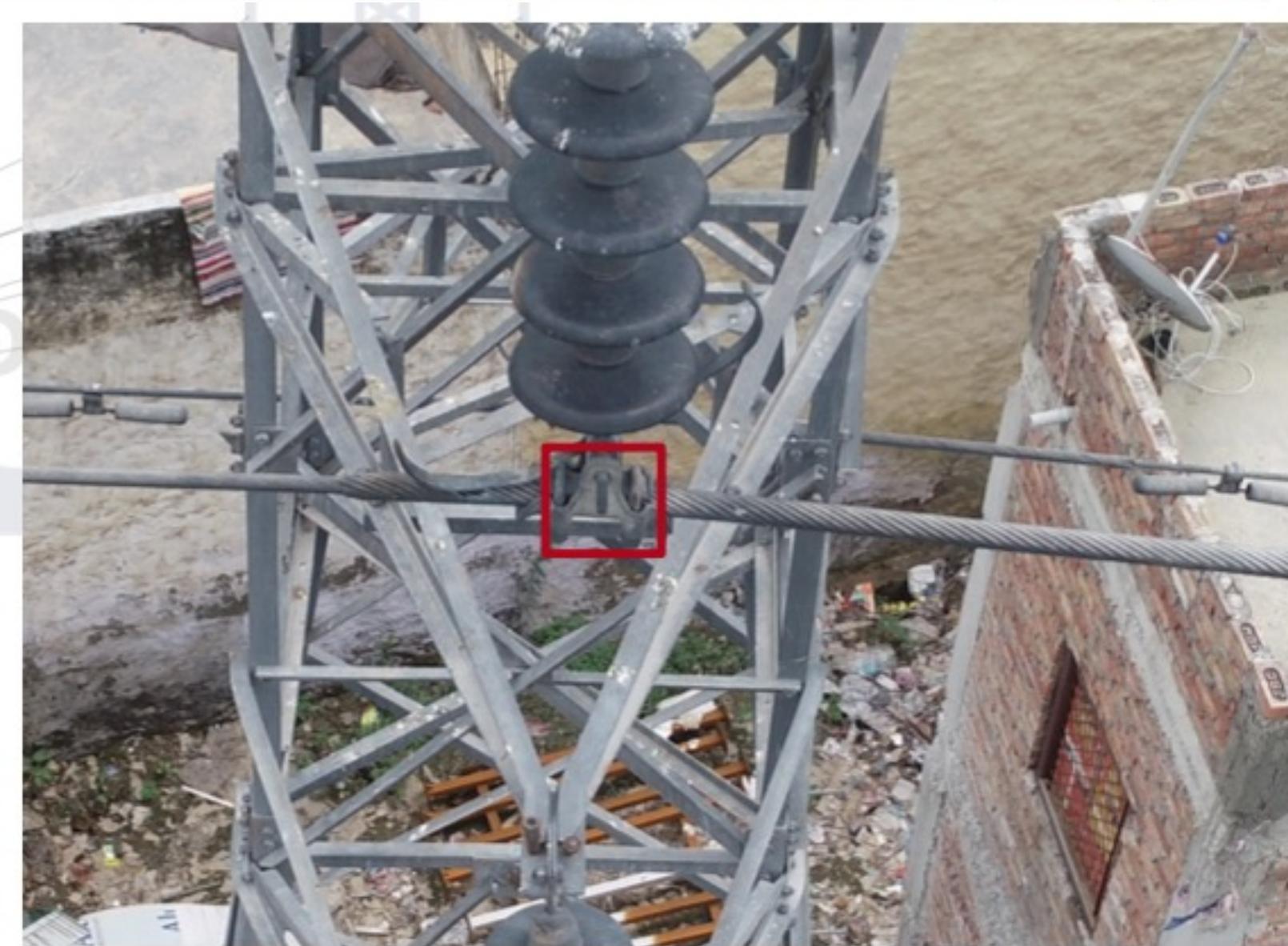
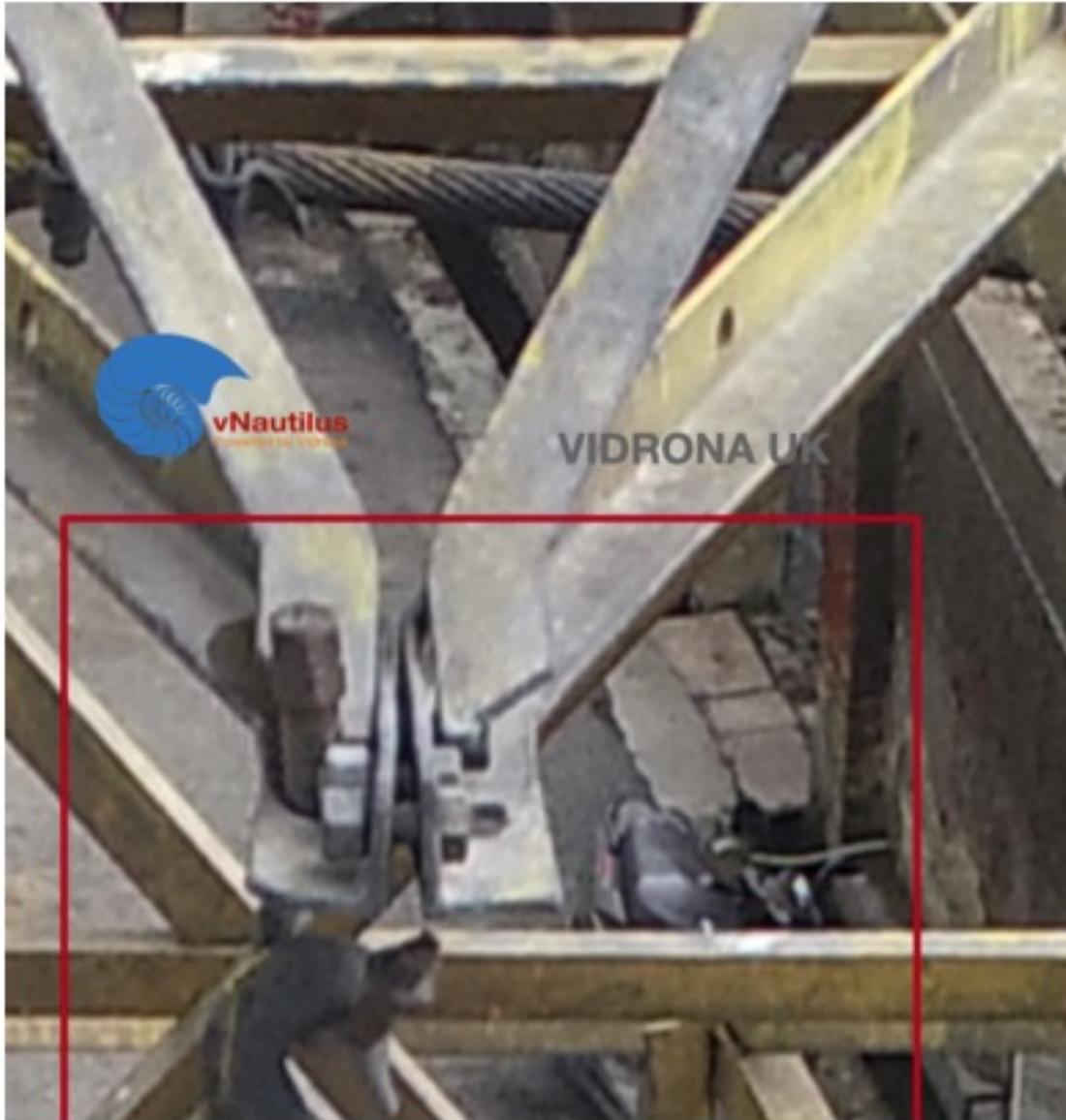
EXPLORE ALL THE 105+ TYPES OF FAULT ANALYTICS



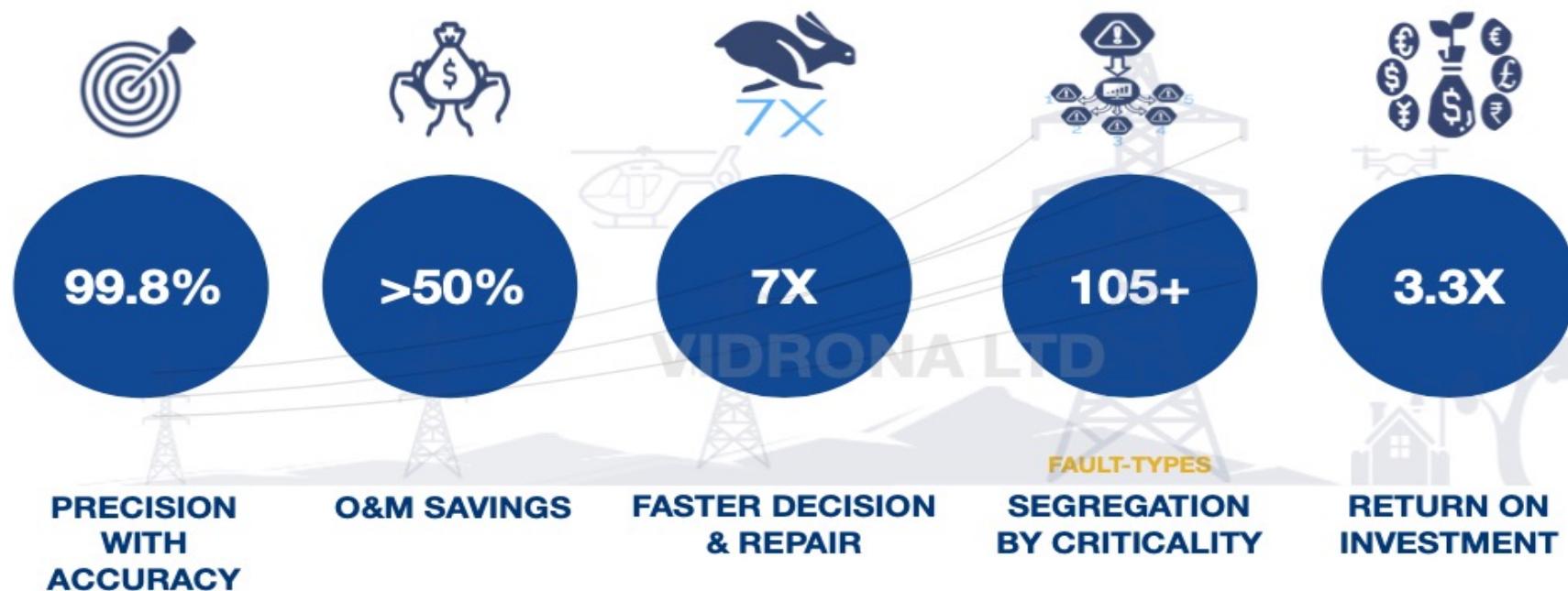
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Benefits

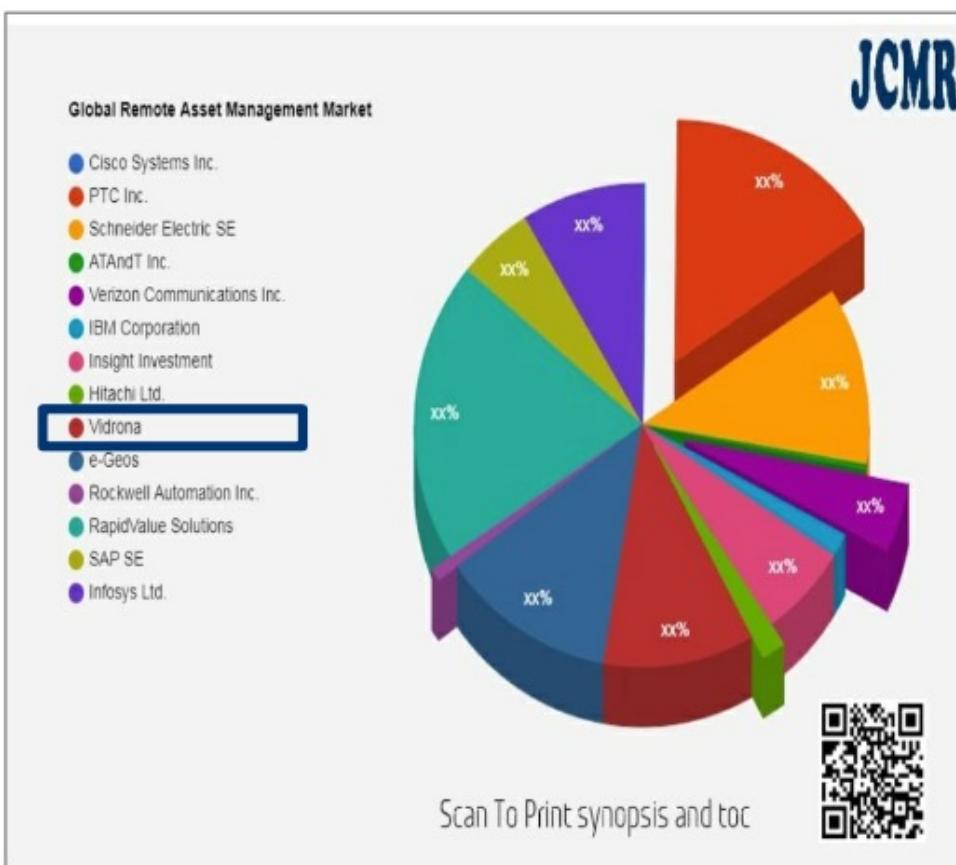


PLAN UPTO 6 MONTHS IN ADVANCE
START SAVING MONEY & TIME



GLOBAL MARKET PLAYER
AI INSPIRED WEB BASED ANALYTICAL PLATFORM

Award Winning Solution



Thank You



Vidrona Ltd

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