



Welcome To

LEX^X

TECHNOLOGIES

Digital Intelligence for Mission Critical Assets

LEX^X
TECHNOLOGIES

The Challenge

The primary challenge is to optimise the availability and on-time performance of our clients' critical assets

Asset downtime results in:



Revenue loss



Additional costs



Brand damage



Sub-optimal use of capital

Industries



Aviation

Renewables



Utilities

Maritime



Defence

The Challenge In Perspective

Critical knowledge is inaccessible due to
Fragmented Systems



ERP



Maintenance
Management



Document
Management



Inspection
Management



Internal +
External Docs



Sensors

Man hours are wasted on
Manual and Disconnected Processes



Handwritten
Forms



Electronic
Forms



Manual
Reports



Emails



Multimedia
(e.g. Photos)



Phone calls,
Memory recall

Inefficient use of technicians time with
Lack of Automation



Spares
Management



Tool
Requests

Experienced technicians retire and organisations lack
Knowledge Retention

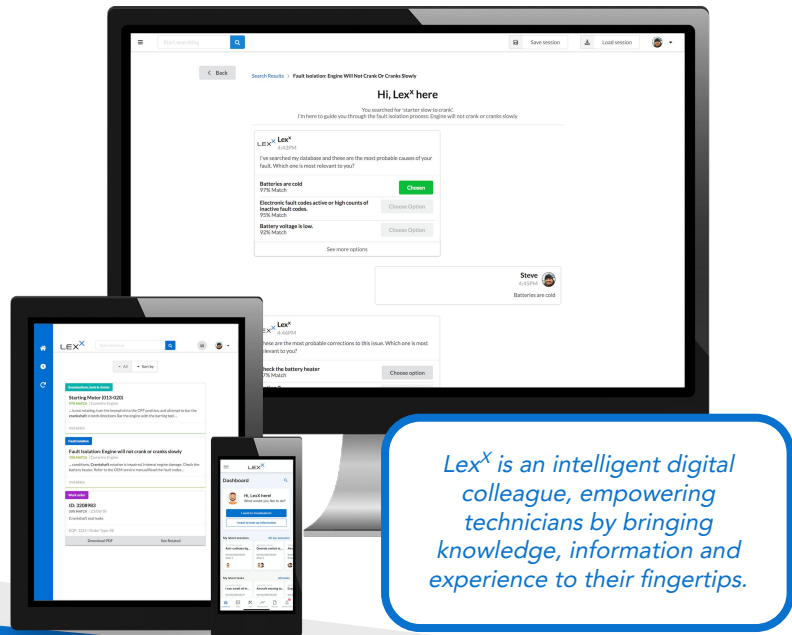


Knowledge



The Lex^x Platform

Provides the Solution



→ Provides a natural language interface to ERP, Maintenance and Document Management Systems, so as to extend and enhance their capabilities

→ Utilises any device (phones, tablets, etc.) to provide solutions at the right time and place

→ Is a digital intelligent system that **learns** from:

- Asset behaviour
- Technician behaviour
- Organisational Data

→ Guides the technician at all stages of the maintenance process, providing advanced troubleshooting capabilities

The Value Lex^x brings to Maintenance Operations



Improved fault isolation
resolution times and overall
operational efficiency



Improves spares
utilisation and lowers
operating costs



Improved asset availability
and uptime



Enables collaboration and
the capture and retention
of valuable knowledge



Empowers the modern day
technician and reduces
labor/contractor costs

See what customers say about Lex^x



[Brian Hayes from EDPR talks about LexX Technologies. - YouTube](#)

"We identified a distinct need to invest in and bring up the best in startups and SMEs worldwide to lead in this revolution. We're excited by our engagement with Lex^x and look forward to delivering their innovative capabilities across our O&M portfolio"

Carla Pimenta, EDP Group Innovation Head of Startup Engagement



Client Outcomes

Outcomes from US Wind Farm Deployment
(677 Wind Turbine Generators)



Material financial improvement

- Estimated economic value-add of US\$53 million per annum for our client upon adopting Lex^x
- consisting of an improvement in topline revenue of US\$45 million driven by improved asset uptime;
- and a further US\$8 million in direct maintenance savings



Asset Uptime and Efficiency Metrics

- 34% drop in average downtime per incident
- 35% time reduction across top 10 maintenance faults
- 18.77 % reduction in lost kWh per hour of downtime
- 10% cost reduction via spare part replacement⁺ prevention

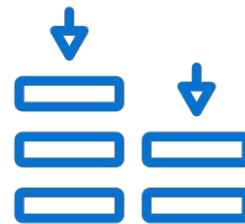
Client Outcomes

Outcomes from US Wind Farm Deployment
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Human Resource outcomes

- Technician empowerment by providing them virtual assistance to make decisions and act with confidence
- Improved connectivity, collaboration and knowledge retention between technicians
- Increased job satisfaction and safety for technicians

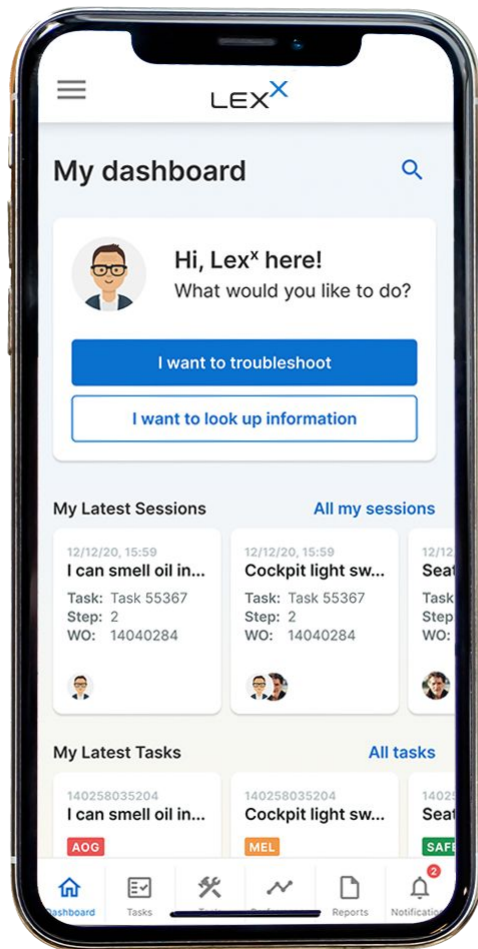


Feedback from Users

- 90% agreed Lex^X improved quality of repairs and allowed better utilisation of individual skills of technicians
- 86% agreed Lex^X increased the reliance on digital tools
- 84% agreed Lex^X improved the reliance on data, taking the guesswork out of troubleshooting

How our Technology is Used

The user interface is customised around individual Client requirements and processes

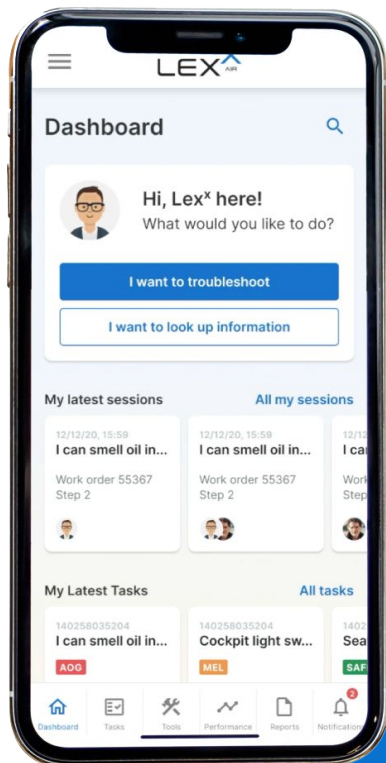


Lex^x can be used in the following maintenance areas:

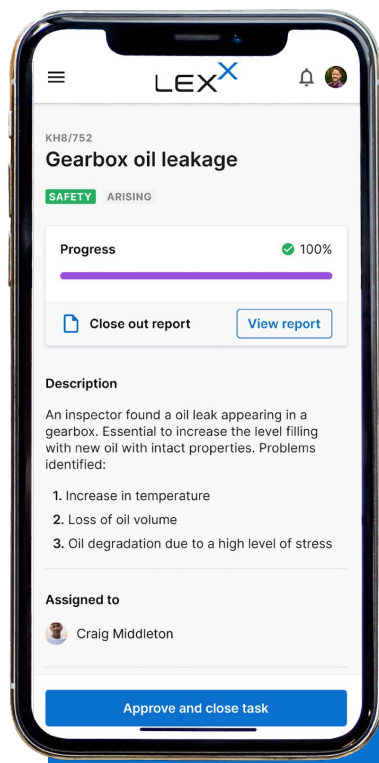
- ⚙ Troubleshooting;
- ⚙ Planned, preventive and breakdown maintenance;
- ⚙ Performance diagnostics and analysis;
- ⚙ Compliance & reporting;
- ⚙ Issue and problem management;
- ⚙ Asset life cycle management;
- ⚙ Training and simulation;
- ⚙ And publication management

...and even more

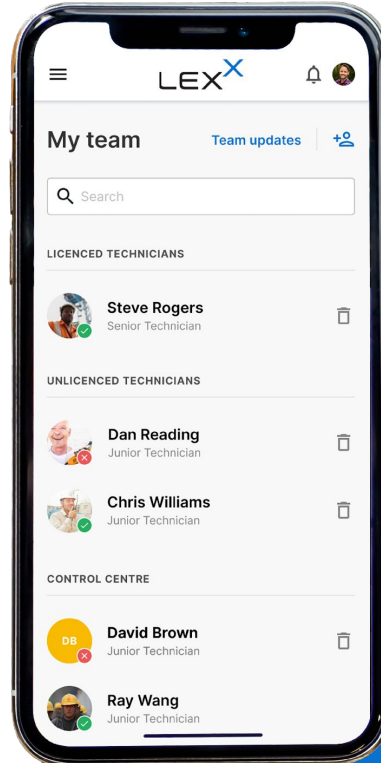
Lex^X Product Features



Troubleshooting dashboard



Approve and close tasks,
while viewing reports

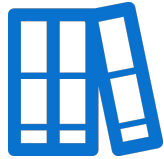


View staff profiles and their
current status



Instant Messaging with
relevant staff

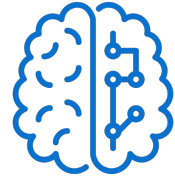
How our Technology Works



Lex^X Ingests all technical information (**digital and handwritten**) and structures the data in a unique manner to facilitate the AI and NLP capabilities of Lex^X.

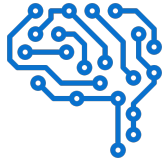


This information is used to provide solutions and guide the technician through **Natural Language interaction** (in Conversational style, like having an instant messaging discussion with a human)



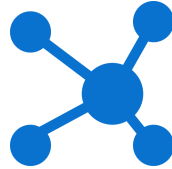
Lex^X utilises AI and Machine Learning to **learn over time** from your organisational data, technician interaction, and equipment behaviour, so that troubleshooting is continually refined.

Lex^x Platform Products



^xAssist

Lex^x's foundational product guides the technician at all stages of the maintenance process, providing intelligent troubleshooting capabilities



^xTeam

Bring the team together for contextual help, advice, or approval.
^xTeam provides technicians with direct access to all personnel in their ecosystem



^xScheduler

^xScheduler integrates, automates and optimises a schedule allowing planners maintenance at the most optimal time



^xCapture

This intelligent authoring tool helps supervisors to create work instructions and guides for their teams digitally

Thank You

TO LEARN MORE PLEASE CONTACT
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