



Welcome To Lex^X

Digital Intelligence for Optimised Maintenance

THALES
Building a future we can all trust

LEX^X
TECHNOLOGIES

Where Did Lex^X Begin?

After more than **30 years within the Aviation MRO field**, Lex^X founder and CEO, Anant Sahay, found that there were no systems meeting the needs of technicians

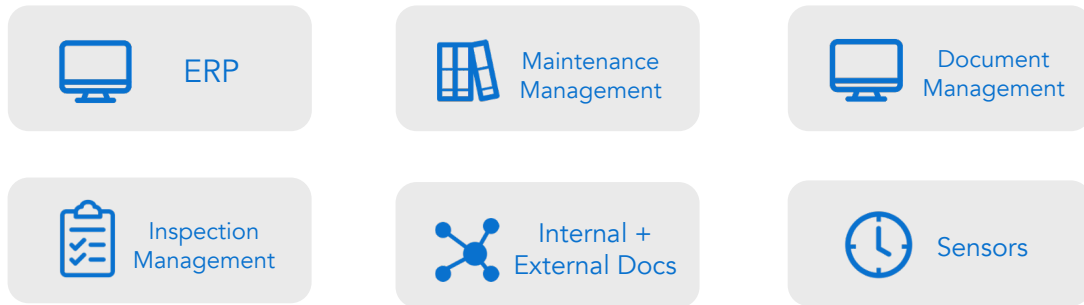
With the advent of technological **breakthroughs in AI and computing power**, he saw the possibility of applying these to meet the needs of the industry

Anant has **created the concept of Maintenance 4.0**, to assist in the development of the Lex^X Platform product roadmap



The Challenge In Perspective

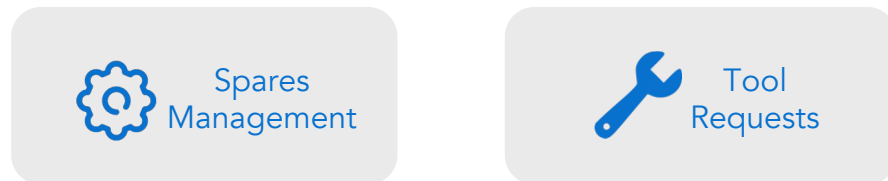
Critical knowledge is inaccessible due to
Fragmented Systems



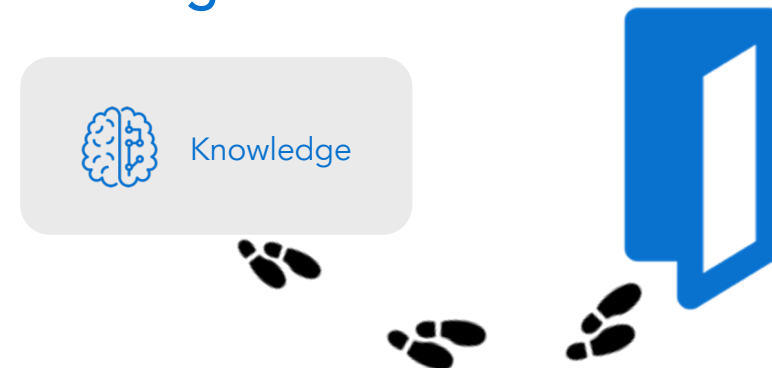
Man hours are wasted on
Manual and Disconnected Processes



Inefficient use of technicians time with
Lack of Automation



Experienced technicians retire and organisations lack
Knowledge Retention



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

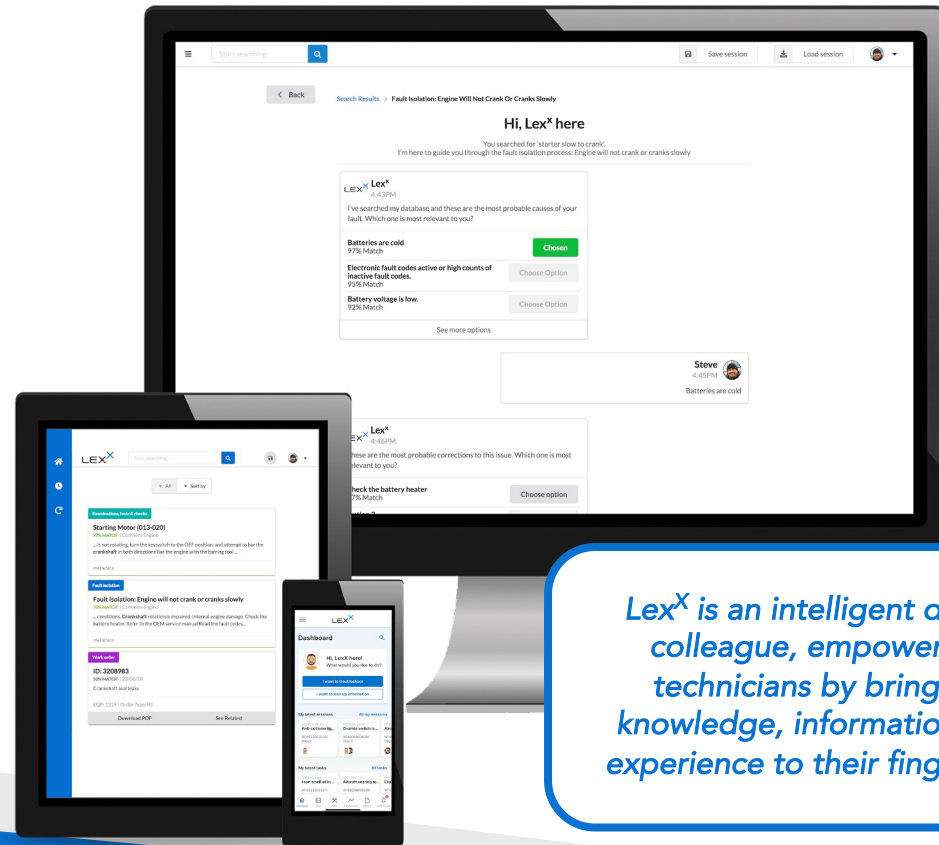
Maritime



Defence

The Lex^X Platform

Provides the Solution



Lex^X is an intelligent digital colleague, empowering technicians by bringing knowledge, information and experience to their fingertips.

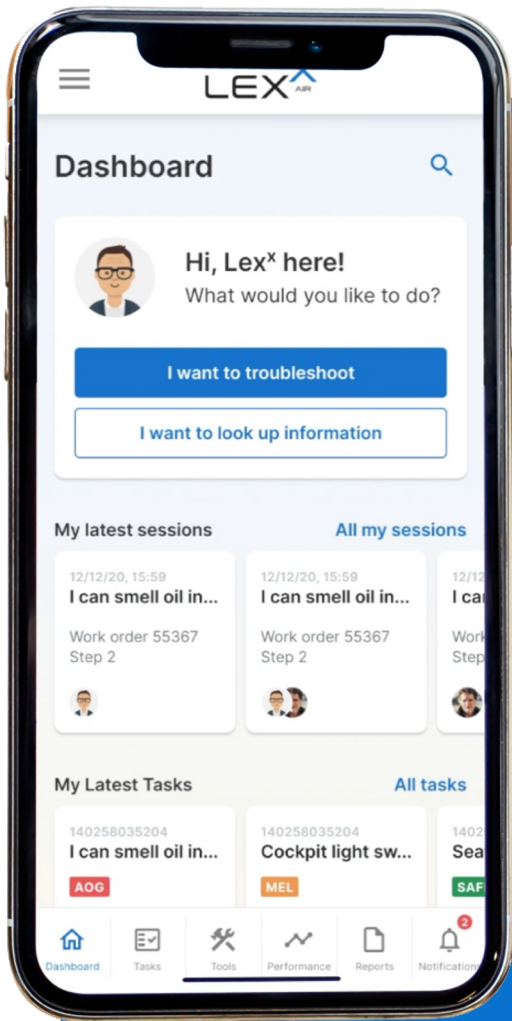
➔ Provides a **natural language interface** to all relevant in-house systems (eg., ERP, Maintenance and Doc Management) so as to extend and enhance their capabilities

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

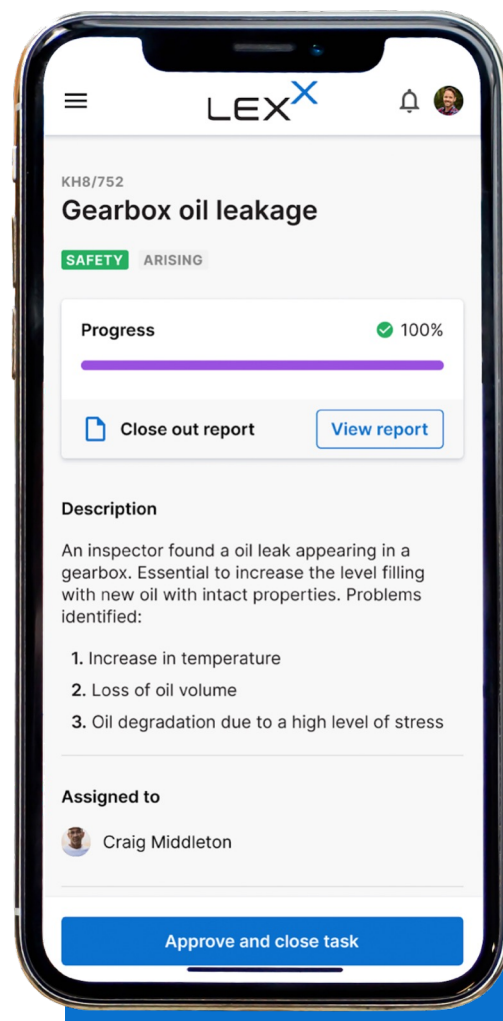
➔ Is a **digital intelligent system that learns** from:

- Asset behaviour
- Human user behaviour
- Organisational Data

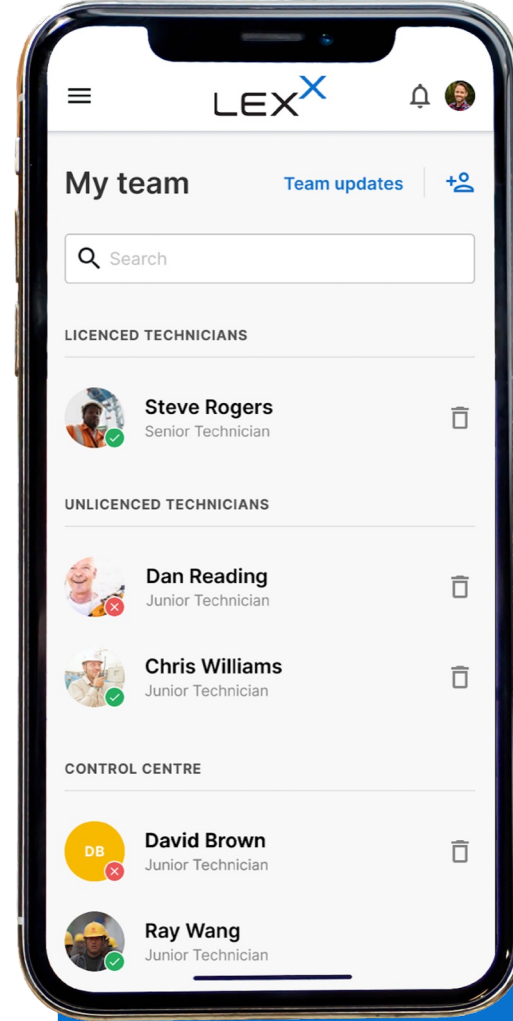
➔ Guides the technician at all stages of the maintenance process, providing advanced troubleshooting capabilities



Troubleshooting dashboard



Approve and close tasks, while viewing reports

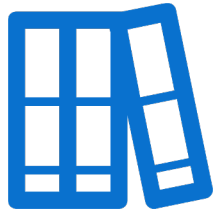


View staff profiles and their current status



Instant Messaging with relevant staff

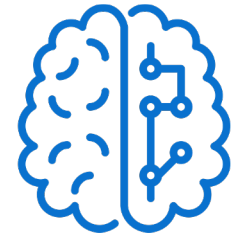
How our Technology Works



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.

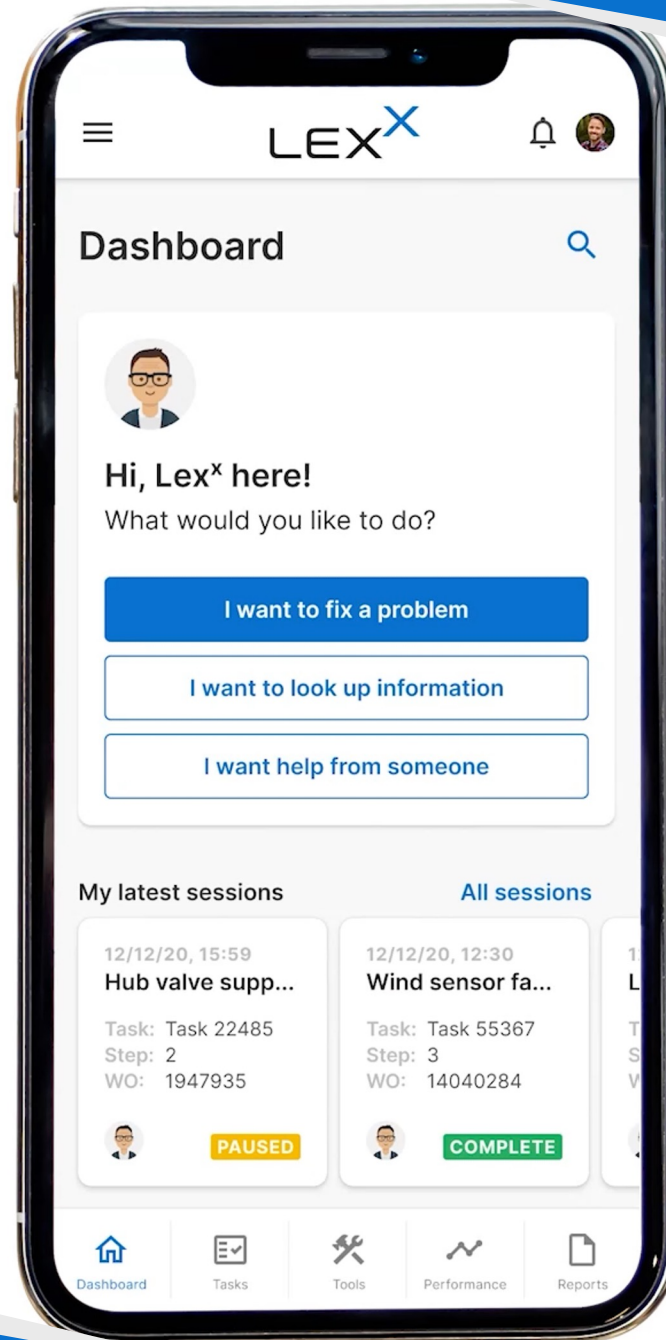


This information is used to provide solutions and guide the technician through **Natural Language interaction** (in Conversational style, like having an instant messaging discussion with a human)



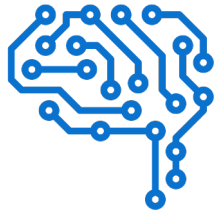
Lex^X utilises AI and Machine Learning to **learn over time** from your organisational data, technician interaction, and equipment behaviour, so that troubleshooting is continually refined.

Lex^X Platform



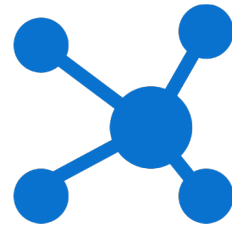
US Patent Pending
(Application No.
63/031, 751)

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 to schedule maintenance at the most optimal time.



xCapture

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

The Value Lex^X brings to Maintenance Operations



Improved fault isolation resolution times and overall operational efficiency



Improves spares utilisation and lowers operating costs



Enables the capture and retention of valuable knowledge



Empowers the modern day technician with a modern age technology

Lex^X Outcomes



Estimated Time Savings

Complex Problems	60-90 Minutes
Medium Complexity	20-30 Minutes
Less Complex	10-15 Minutes



Downtime and Efficiency Improvements

- 19%** reduction in lost kWh per hour of downtime
- 34%** drop in average downtime per incident
- 35%** time reduction across top 10 maintenance faults
- 10%** cost reduction via part

Success Stories



"Lets you find the fault and make the decision straight away"
EnergyAustralia Technician

"Lex^X is addressing a critical challenge that the global industrial sector faces amidst a paradigm shift in workforce demographics and dynamics."
Krishna Navalpakkam, Global Strategy



"...it may help us reduce the TAT of providing technical solution by 15 minutes. This number is quite significant if the solution is for minimizing operational disruption"
Etihad Engineering Executive

"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



"The Lex^X platform is most certainly the most succinct, intuitive and relevant aircraft trouble shooting platform I have utilised in my 30+ year aviation engineering career. The fact it is linked to the OEM documents is clearly critical and certainly saves considerable time when assessing faults as they "roll in".

Darren Stone, Licensed Engineer, Jetstar Engineering and Managing Director of Asset Excellence

Awards

Winners – Schneider Electric Bold Ideas Challenge | Global Innovation Summit

Winners – EDP Global Innovation Award | Lisbon Web Summit

Our Partners

Lex^X is a proud partner of the following organisations, each experts within their fields



ORACLE



Australian Government
Department of Industry,
Innovation and Science



UTS

SATYA
AEROSPACE

Microsoft
Partner

Our Investors

Lex^x is proud to have received investment from the following organisations



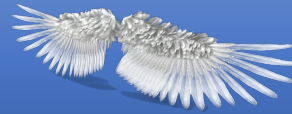
**Boeing
Corporation**



Australian Government

**Australian
Government**

(in grants)



Angel Investors



Tawazun



DATT Capital



What Now?



Lex^x has already proven
our value to the
Aviation, Renewables,
Utilities, and Transit
industries.



We can clearly add
further value by
augmenting existing
solutions within these
verticals by leveraging or
Patent Pending
Technology

Thank You

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