

VIQTOR DAVIS

DATA CRAFTSMANSHIP

DATA INNOVATION DRIVING DIGITAL TRANSFORMATION

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INTRODUCTION



ABOUT VIQTOR DAVIS

We challenge you to unlock data as a strategic business asset to be future-ready



DATA INNOVATION DRIVING DIGITAL TRANSFORMATION



WE BELIEVE

- By combining our data services, more value can be created for you.
- As an international company, we can identify more best-practice solutions for you.
- Data is increasingly a boardroom subject, we can translate business issues into pragmatic data solutions.

OUR MISSION

- To provide the expertise and the methods that empower organizations to exploit their critical data as a strategic business asset.
- We strive to be your partner in data strategy, governance, management, science and analytics.

HOW WE WORK

We are a **full-service partner** in data & analytics.

Our ambition is to be your **global partner** in data services.

Over **340+ data specialists** across territories to support you with all your data challenges and opportunities.

Backed by Waterland we follow a **buy & build** strategy in Western-Europe and the US.





5 Markets and going global.

UNITED KINGDOM INDIA AMSTERDAM UTRECHT LONDON

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ASSET HEALTH INSIGHTS

Optimise your asset health management



THE DATA-DRIVEN APPROACH TO ASSET HEALTH MANAGEMENT HAS GREAT POTENTIAL





...of asset-heavy organisations see the (health) management of their assets as not very efficient

1) Source: "Digital Industrial Revolution with Predictive Maintenance", Siemens







Latest developments like **IoT**, **Cloud & AI/ML** enable a data-driven approach to optimize asset management



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THE THREE COMPONENTS OF AN ASSET HEALTH INSIGHT SOLUTION



OPTIMIZE ASSET STRATEGIES



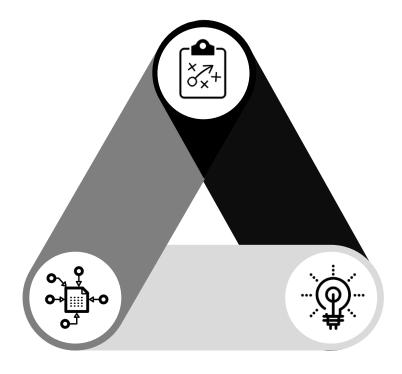




ESTABLISH A SOLID DATA FOUNDATION







GENERATE ACTIONABLE INSIGHTS



PREDICTIVE ASSET DETERIORATION

9



ANOMALY DETECTION



ROOT-CAUSE ANALYSES

THE THREE COMPONENTS OF AN ASSET HEALTH INSIGHT SOLUTION



OPTIMIZE ASSET STRATEGIES

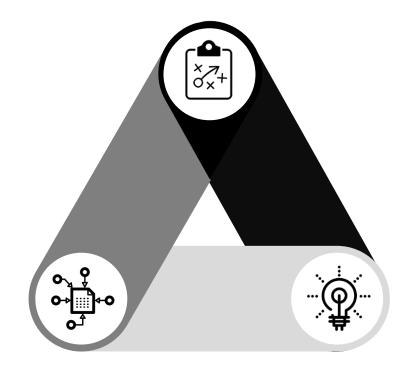






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GENERATE ACTIONABLE INSIGHTS



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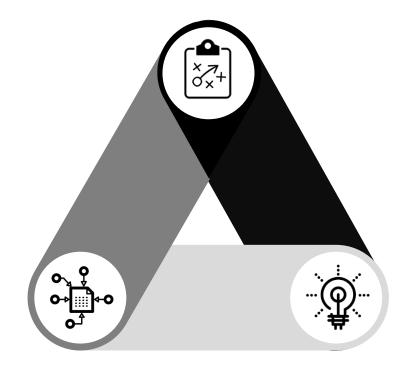






ESTABLISH A SOLID DATA FOUNDATION





GENERATE ACTIONABLE INSIGHTS



PREDICTIVE ASSET DETERIORATION

11



ANOMALY DETECTION



ROOT-CAUSE ANALYSES

BENEFITS OF DATA-DRIVEN ASSET HEALTH INSIGHTS









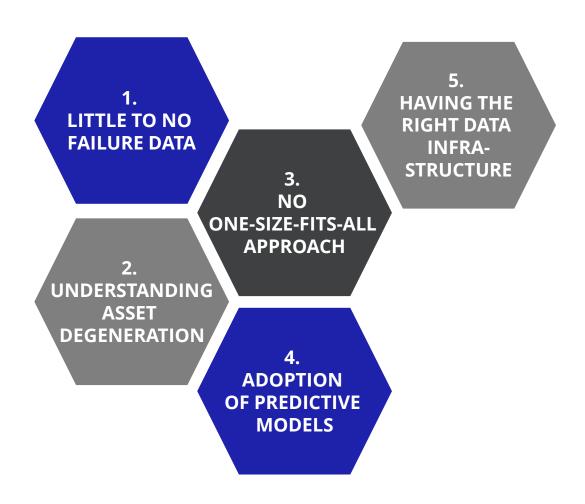






KEY DIFFICULTIES/CHALLENGES







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WHERE TO START?



Early stop, inspect

Rewind motor coil

fluid

Temperature

14

sensor

Viscosity sensor

- Start by listing assets and assessing their failure modes.
- Can we complete the triangle with components of an asset health insights solution?
- Is there a feasible usage scenario?
- Develop models and solutions in a Agile manner (e.g., use CRISP-DM and/or ML-Ops).

EXAMPLE: MIXER UNIT **FAILURE MODES** DATA **DESIRED** INTER-**INSIGHTS VENTIONS SOURCES** Bearing failure, Wear Replace bearing Vibration crushing the key sensor Anomalous Early stop

vibration

Wear

Overload due to

coagulation risk

Burning of motor

coil

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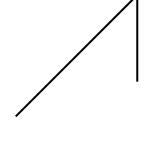
VIQTOR DAVIS UK + 44 (0)1795 415 800

VIQTOR DAVIS NL +31 (0)30 221 90 50

VIQTOR DAVIS US +1-512-790-DATA

VIQTORDAVIS.COM





THANK YOU FOR YOUR ATTENTION

Dr. Johan M. M. van Rooij Johan.VanRooij@viqtordavis.com