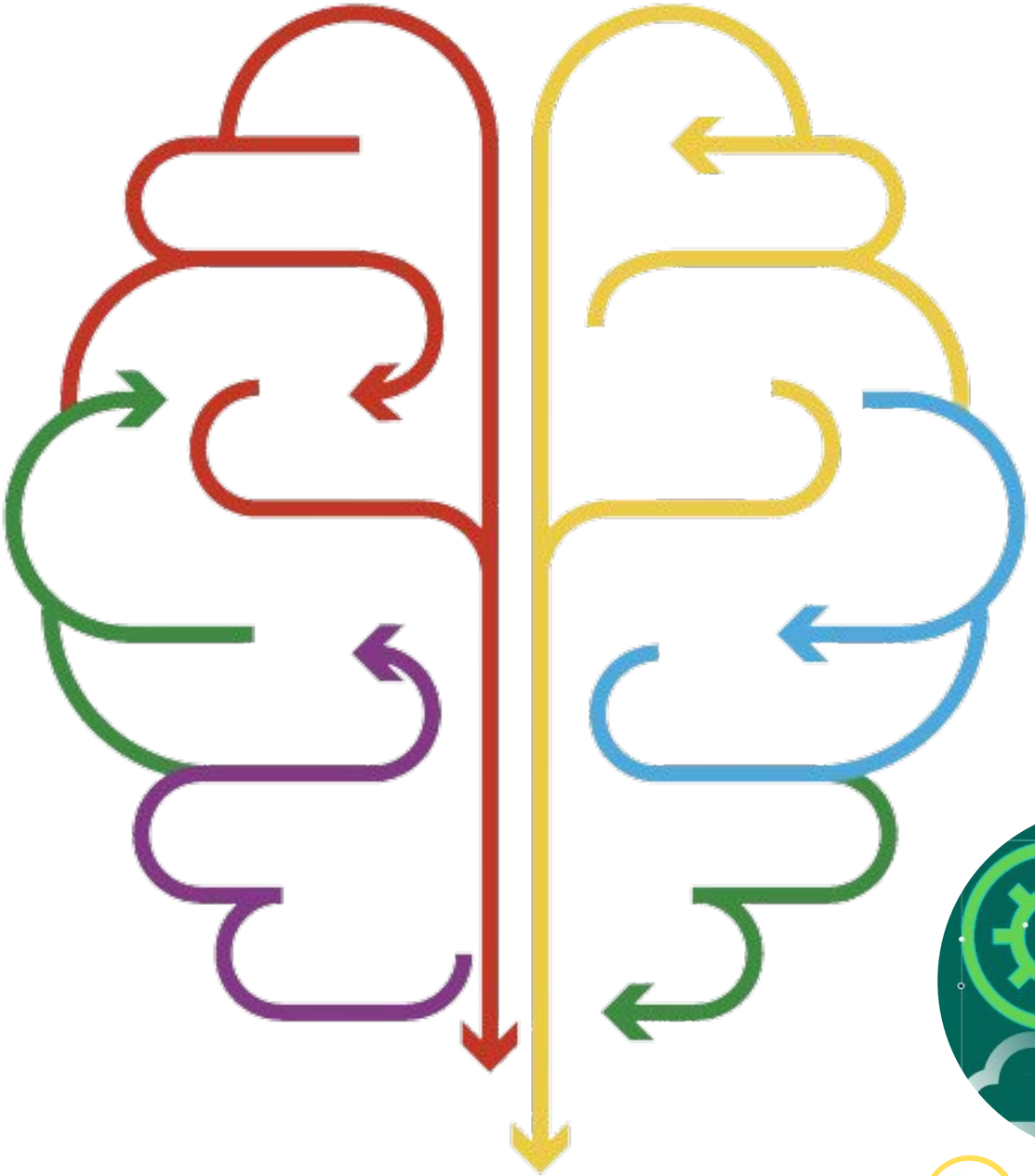
SPARROW



SPARE PARTS POOLING

Presented with ❤️ by DIG:ITA

Powered by SPARROW Engine

DIG:ITA

INDUSTRIAL DIGITAL OUTCOMES

DIG:ITA AIMS TO BE SOURCE AND ADVISOR OF **INTELLIGENT PLANTS**, A DEVELOPER OF **ADVANCE ANALYTICS,** PREDICTIVE MAINTENANCE AND A PROVIDER OF THE FUTURE OF WORK: **HUMANS** & **DIGITAL WORKFORCES**.

KEY COMPETENCIES

- Maturity Model Assessment
- Human and Digital Workforce
- Advance Analytics also with Machine Learning

Sparrow

SPARE PARTS OPTIMIZATION

SPARROW'S MISSION IS TO REDUCE THE GLOBAL STOCK OF SPARE PARTS WHILE INCREASING AVAILABILITY

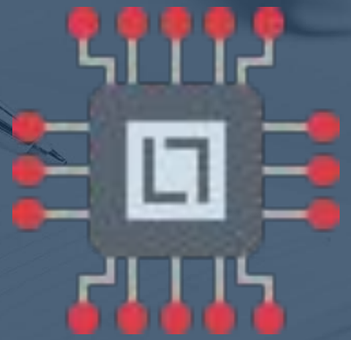
KEY COMPETENCIES

- Spare parts product data
- Machine learning and modeling
- Network planning

Why We Do It

Covid Experience on Supply Chain Challenges

Speed-up in digital transformation



Microchip crisis in 2021

Crisis on Supply Chain

Price escalation

Circular Economy

Sustainability

ONU for Global Goals

X4LIME

Use Case in Lime Industry

The future of Spare Parts

Sparrow4Lime reduces the stock of spare parts while increasing their availability.

A cloud-based service for pooling, managing and optimizing industrial spare parts with big data and AI.

We develop better ways to ensure high technical availability at lower costs.

We believe that through access to better data and tools we can address many of the current issues in the industrial aftermarket.

Key issue

Managing spare parts efficiently and effectively is extremely difficult in asset intensive industries

75%

spare parts discarded unused (and cost money on the shelf)

45%

Of industrial operators say they recently had downtime due to missing parts

5WEEKS

Median lead time for spare parts in the material handling industry

The Key elements of an optimal spare parts stock

Things to focus on

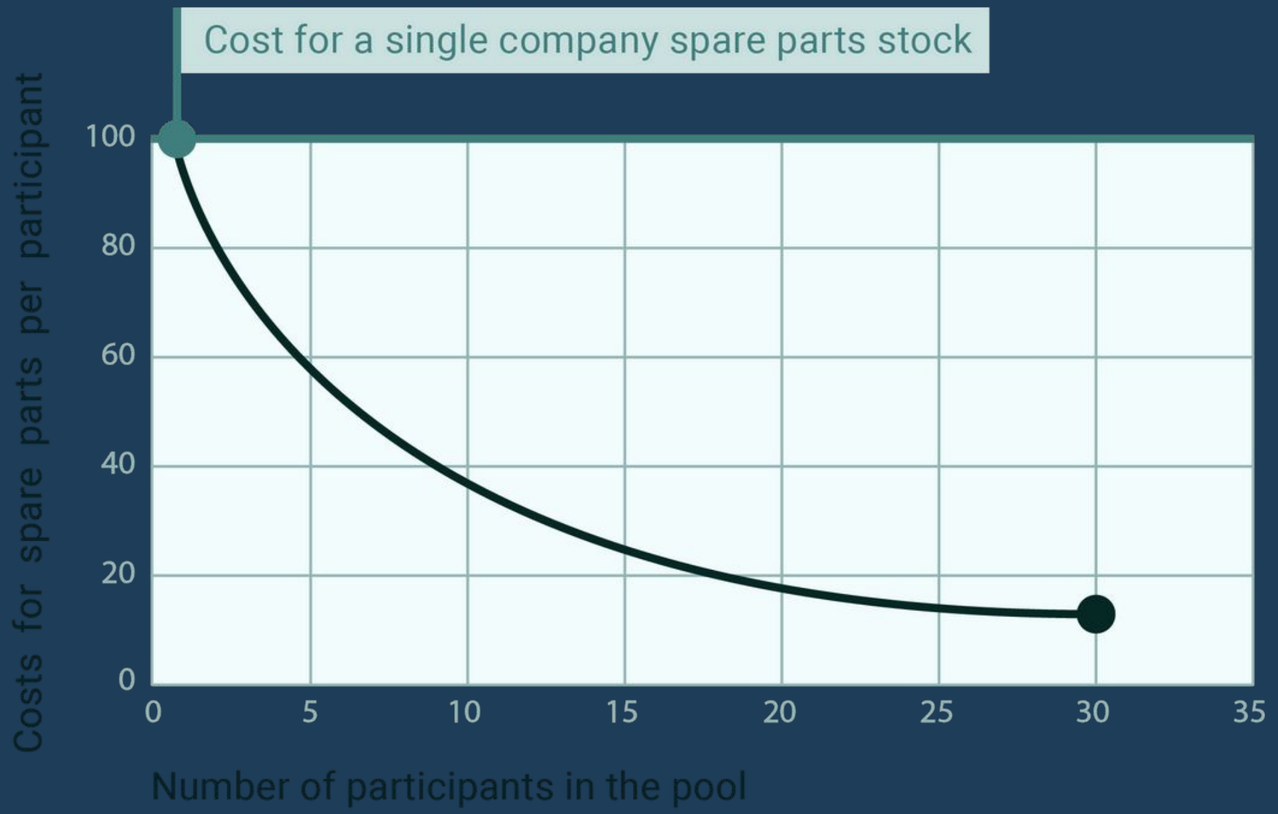
Pooling

Planning

Data quality

The Pooling Concept

Why Spare Parts Pooling Works



Spare parts pooling is not a new concept. It has been studied extensively in academia and executed in different industries.

- The demand for spare parts is difficult to predict. Lead times for spare parts are long and unpredictable.
- Spare parts stocking decisions taken at a single site level are not optimal.
- When pooling many sites together, each site stocks less parts, relying on the network for emergencies.
- Spare Parts pools are live in Aviation (IATP)

SPARE PARTS POOLING

The Concept

Members keep their stocks in their respective stock rooms. SPARROW4LIME keeps data only.

100%. SPARROW4LIME members have full control over what they share. We never share parts unless approved by the owners.

SPARROW4LIME aims to connect anyone who owns similar parts. This includes competitors. So you may share parts with or use parts from competitors. However, all transactions and data remain anonymous.

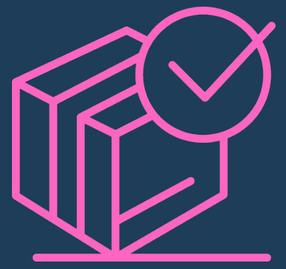
SPARE PARTS POOLING

How it works

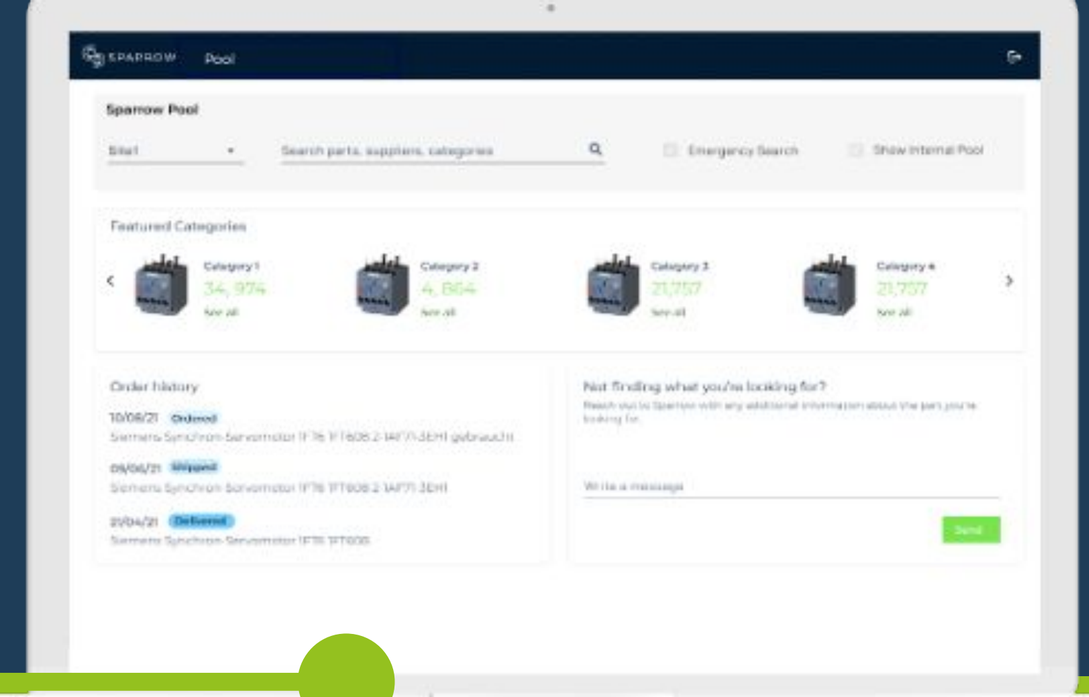
Upload spare parts stock data from your stock management tool using or Excel files using or via an API

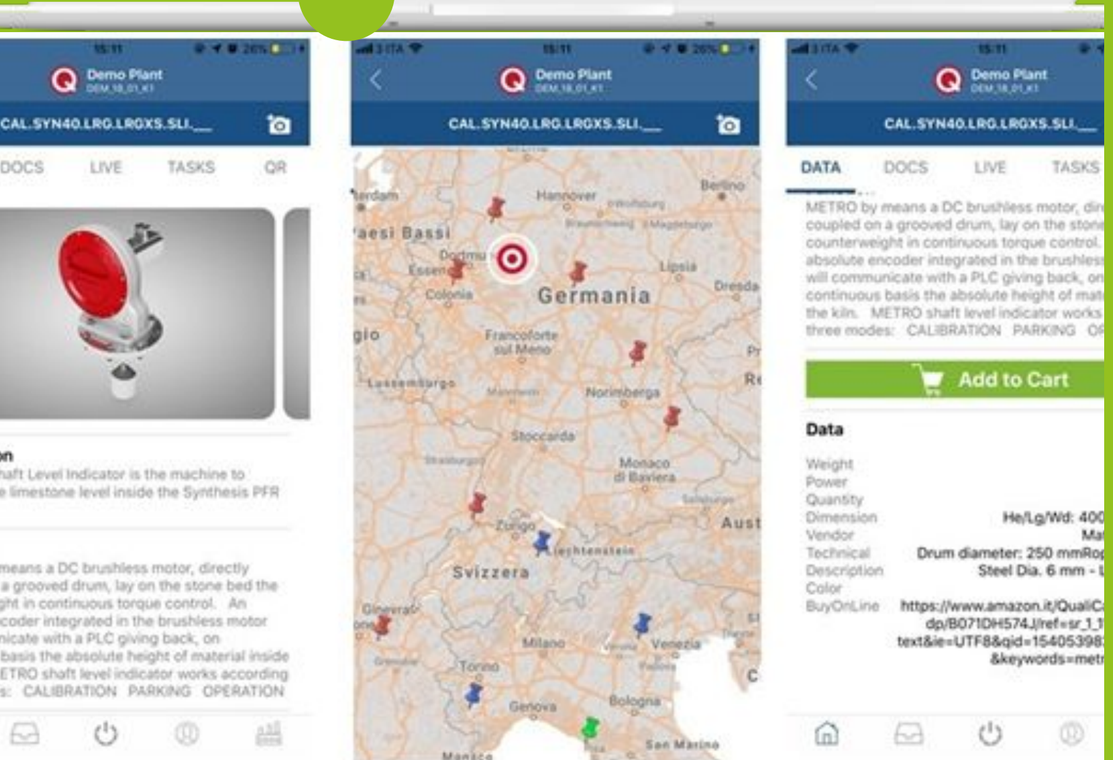
SPARROW4LIME algorithms clean up parts data and enrich it using manufacturers' master parts data

SPARROW4LIME enables you to search spare parts stocks of other machine operators, parts suppliers and manufacturers



SPARROW4LIME offers fulfillment so you can get the part you need, when you need it, hassle free





Web view

a dedicated web platform to deeply manage the spare part stock and search any spare you need

Mosaico Mobile view

a mobile application to look for spare starting from any equipment installed in your plant

Benefits

Less Overstock And Waste

Reduce your spare parts stock. Rely on a large pool of spare parts in your area. Additionally, AI algorithms predict your demand for spare parts. Only stock parts you need.

Higher Availability, Less Downtimes

Access critical parts in emergencies. Connect to other companies and suppliers with similar parts in your area and view hidden supply. Never get stuck without a part again.

Lower Manual Effort

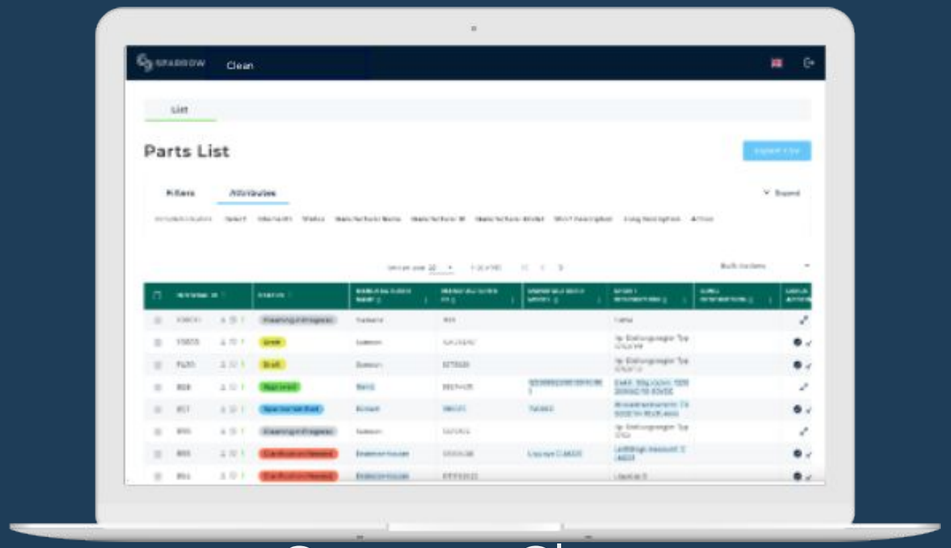
Manage your spare parts stock in a central, cloud based tool. The Sparrow Stock Manager reduces time spent on managing lists of spare parts while increasing accuracy. No more Excels.

Better Source For Obsolete Parts

Find and procure hard-to-find obsolete parts. Keep your machines running longer. Sell your own parts when they are not needed. Stop discarding away parts and money.

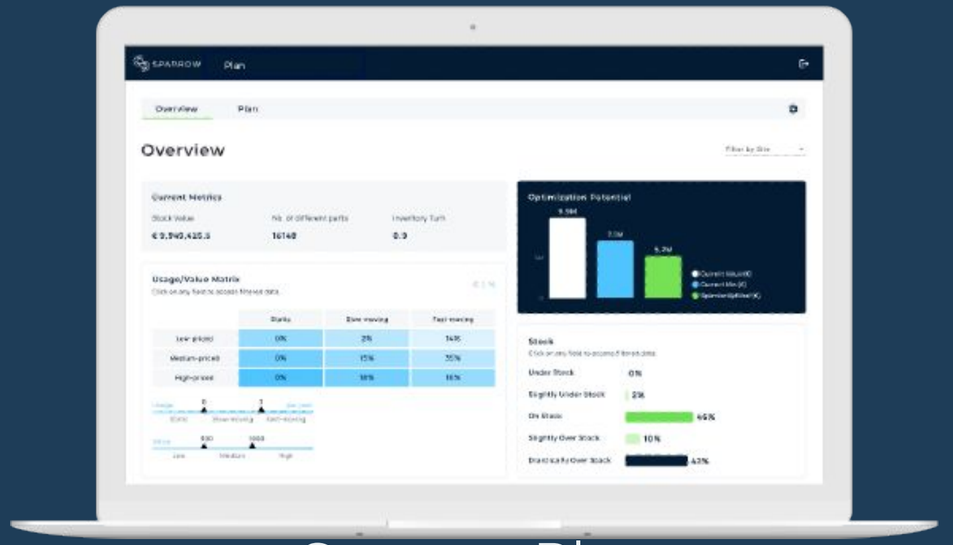
ONE MORE THING

The platform offers a suite of tools for optimizing spare parts



Sparrow.Clean

Improving the quality of spare parts data. Reduce duplicates by 10%, find parts faster and source cheaper.



Sparrow.Plan

AI based algorithms for spare parts planning. Reduce stock by 10%-30% and increase availability.

Get in Touch

Meet our team

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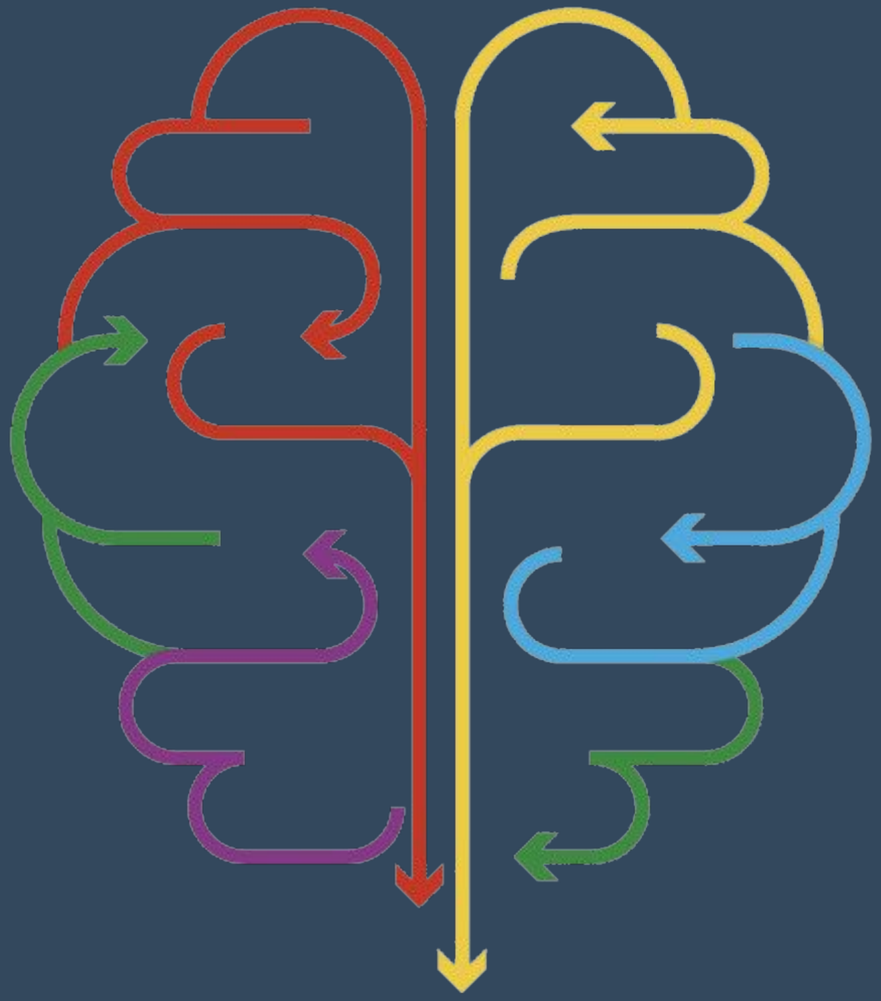
MEIR VEISBERG

SPARROW CEO

CARLO CELLA

DIG:ITA CEO