

# MOOVINV





**April 2024** 

# Why MOOV IN V?

The V formation improves the efficiency of flying birds.

Each bird can achieve a reduction of reduced drag and as a result increase their **range**.

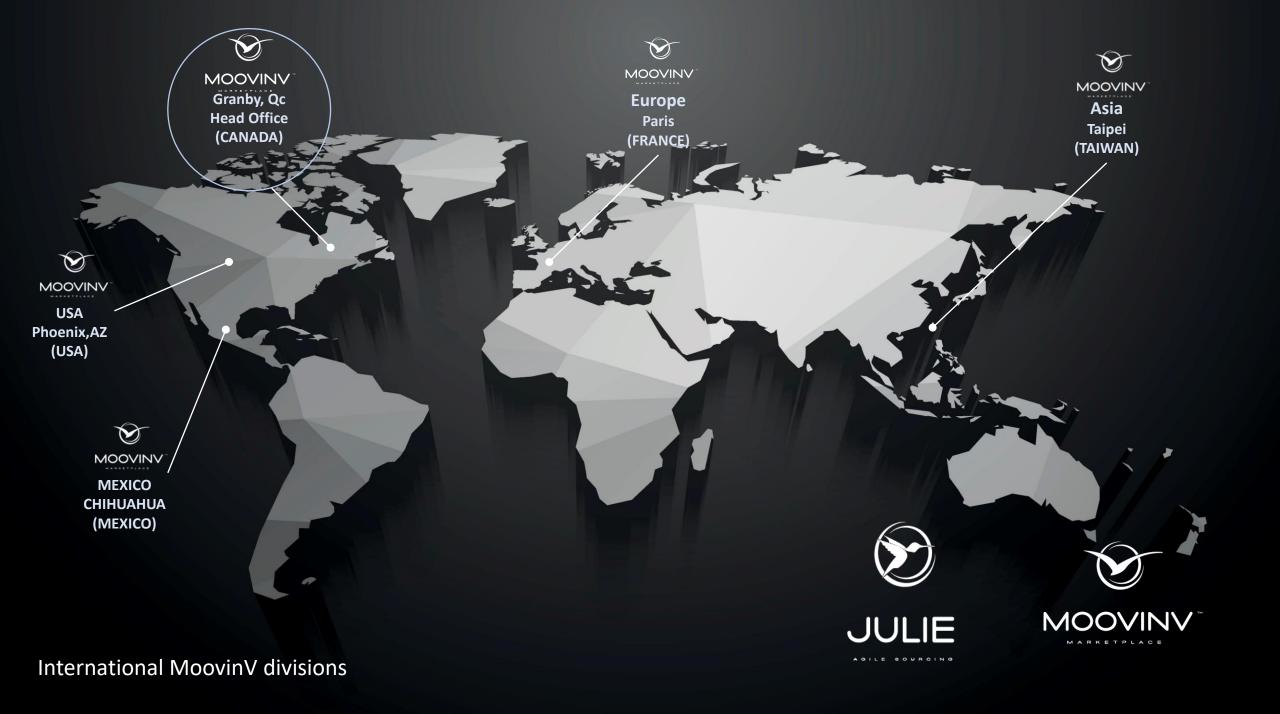
MOOVINV has a similar approach by facilitating the **reduction** of aerospace raw material inventories and by increasing a companies range of exposure in selling these excess inventories.



# Agenda

- About Us
- 2. MOOVINV Certified Surplus Raw Material Marketplace (small video)
- 3. JULIE Agile Sourcing Solution
- 4. Questions and Next Steps





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Marketplace VIDEO



# Raw Materials Sourcing Challenges

Supply Chain Disruptions

Global Economic Uncertainty

Regulatory Compliance Quality Assurance

**Cost Pressures** 

Logistics Challenges Supplier Relationship Management

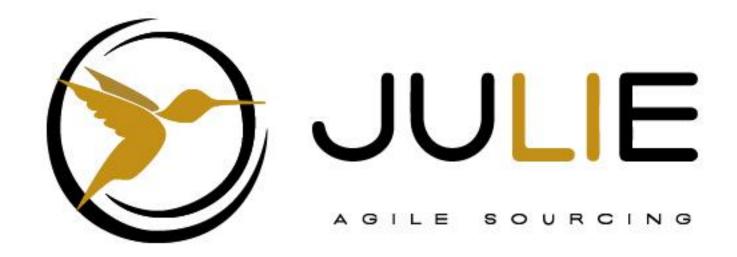
Technological Changes

Market Volatility Environmental and Ethical Concerns

Challenge to recruit buyers (industry knowledge, experience...)



# Meet ....



Just Use Like an Internal Expert



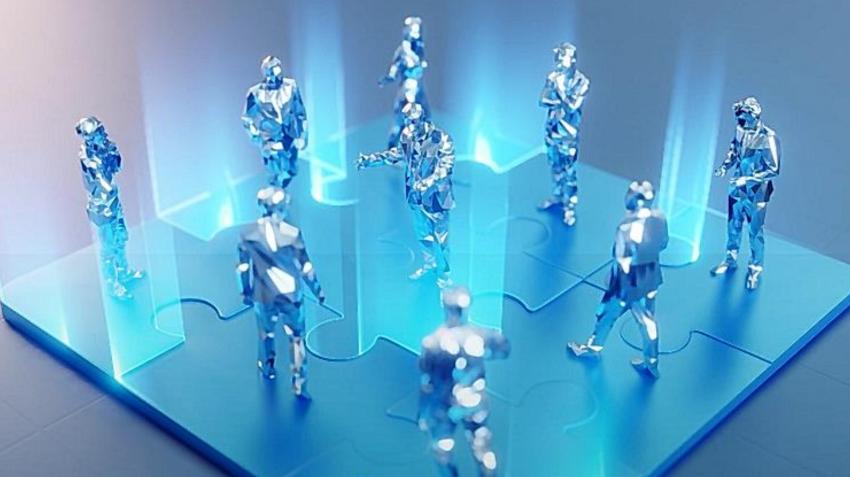
# A NEW AGILE SOURCING SOFTWARE

- TO SUPPORT YOUR RAW MATERIAL SOURCING CHALLENGES
- **JULIE** is the **Aerospace** Industry's largest and smartest comprehensive metal sourcing platform for accessing global metal suppliers and their raw materials. Now, it has been extended to the **Automotive** and **Medical** Industries
- Strategically designed **using AI** and **complex databases, JULIE** quickly identifies suppliers for your metal requirements

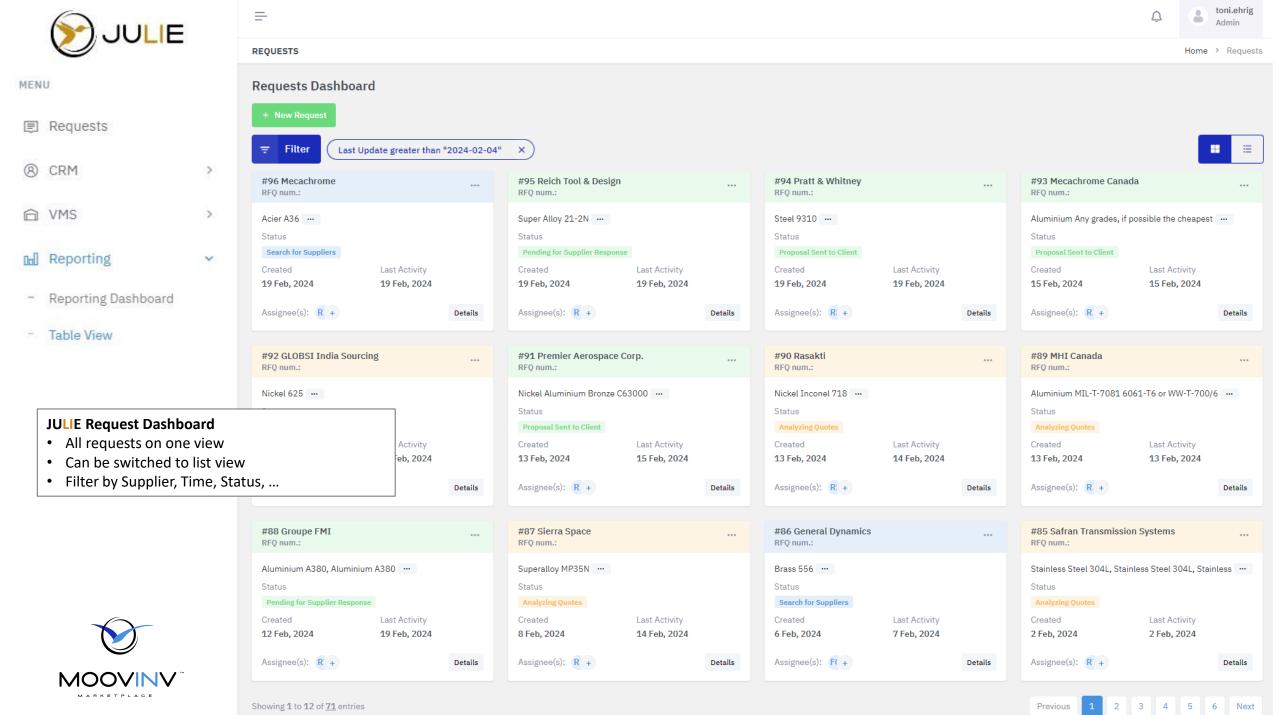
- Cross references all national standards of alloys
- Automates RFQ process to suppliers, analyses quotations & generates PO's
- Refines supplier searches to align with specific criteria





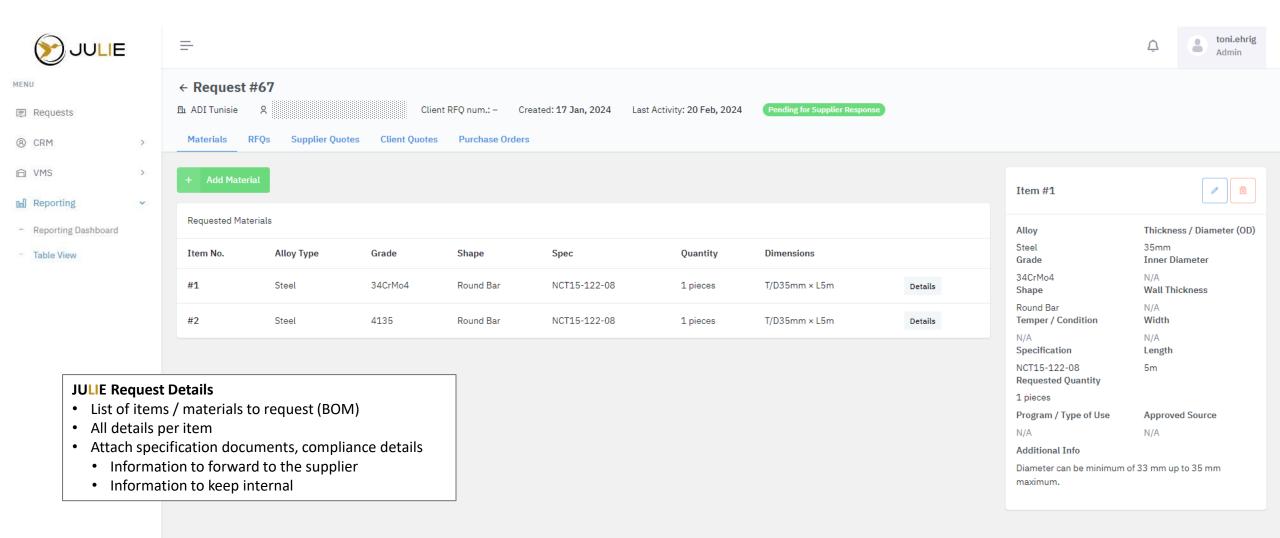


Users input specs,
JULIE takes care of the rest.





# **Materials Sourcing BOM**



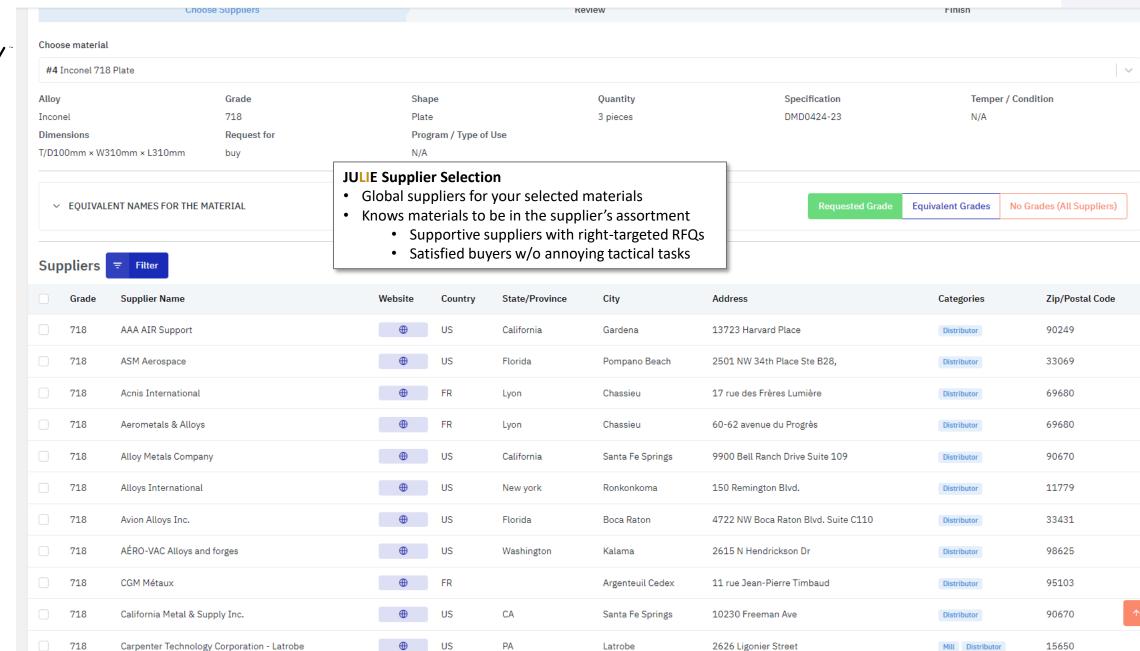
Carpenter Technology Corporation - Reading

718



19601

Mill Distributor



US

PA

Reading

101 West Bern Street

aft Materials

aftmaterialsuk.com Ltd, Stokenchurch

sheny Ludlum Corporation, Brackenridge

gheny Technologies Incorporated, Pittsburgh

PER 718

PER718 PYRAD 53 N W

ATI 71

ATI 71

NiCr19NbMo NB 1

NiCr19Fe19Nb5Mo3





HP14 3BG

HP14 3BG

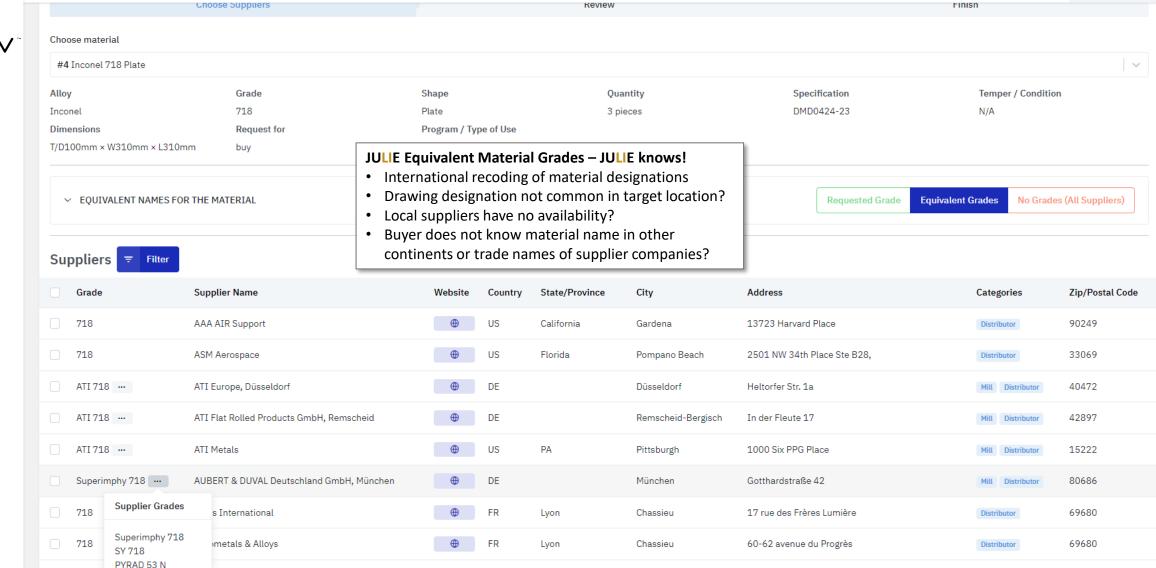
15222-5479

15014

Distributor

Distributor

Mill Distributor



Buckinghamshire

PA

Stokenchurch

Brackenridge

Pittsburgh

Buckinghamshire

Unit D, The Heights Business Park, Ibstone Rd

Stokenchurch

100 River Rd

1000 Six PPG Place

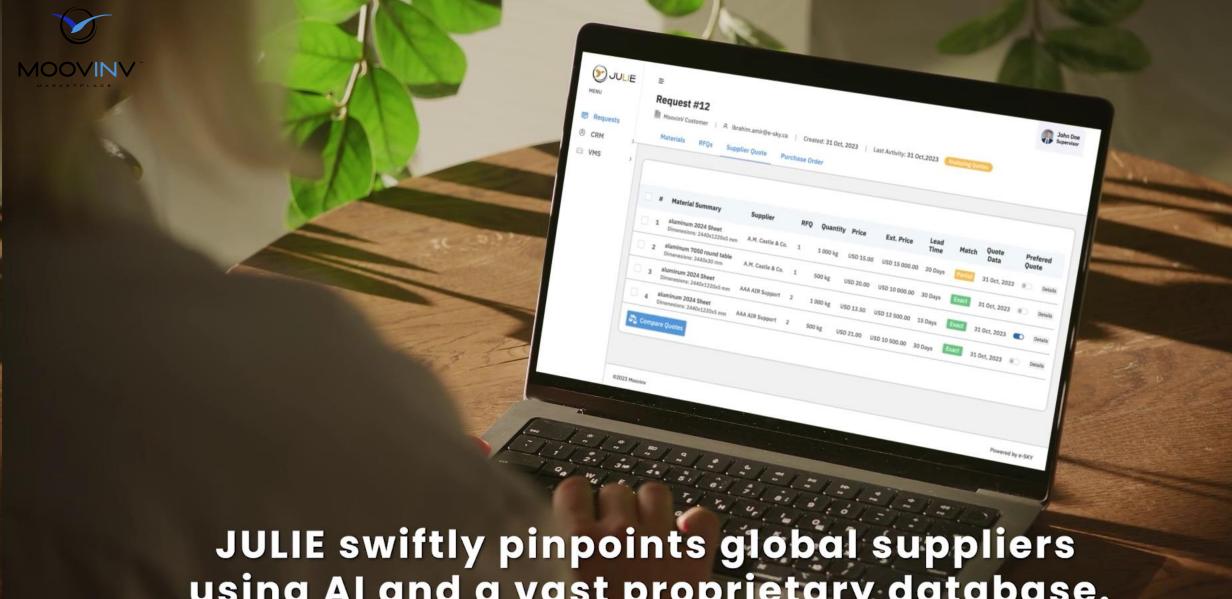
GB

GB

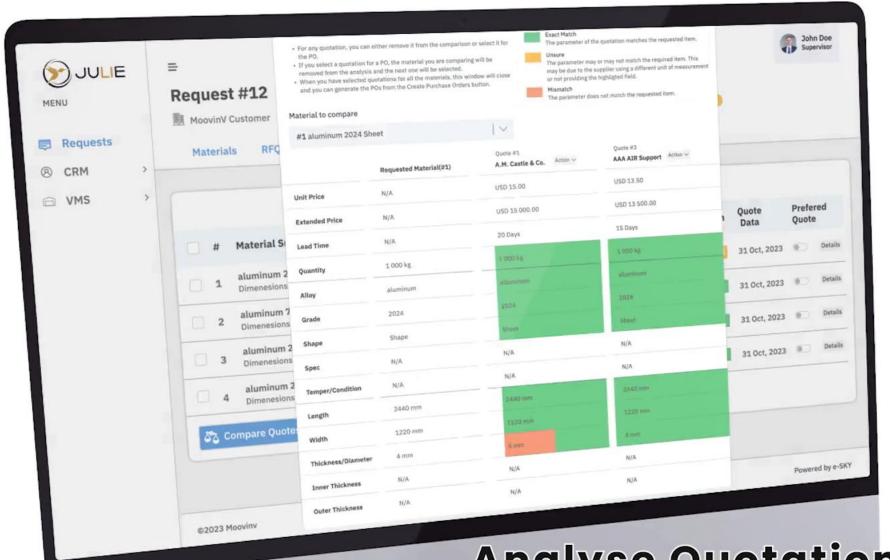
US

US

**(III)** 



using Al and a vast proprietary database.



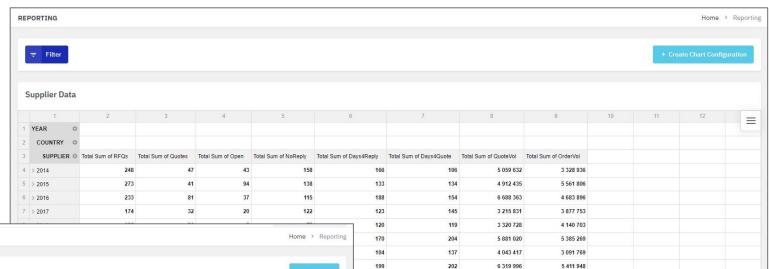
Analyse Quotation from Multiple Suppliers.



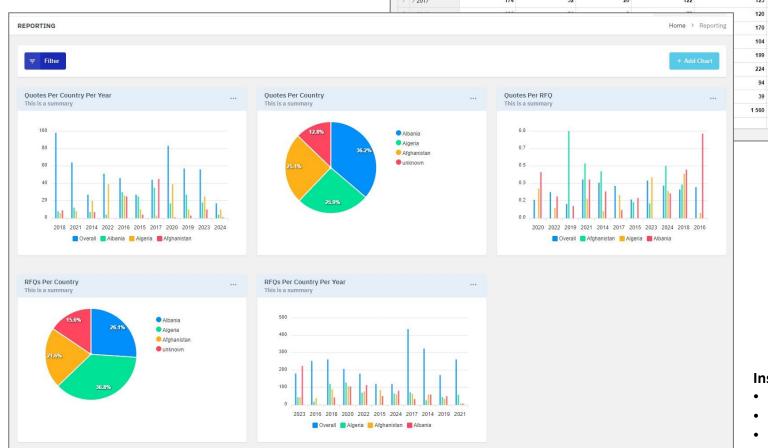
## MOOVINY Reporting

#### **Save time to create Compliance Reports**

- Supplier/country performance
- Best/worst performing
- Single source supply identification



224



- Pivot tables to get to the bottom of it
- Pivot tables for diagram customization
- Power BI data source

6 332 244

2 616 959

45 177 541

#### Instant reports for improved supplier assessment

Highest response ratio

220

96

17

1 534

7 342 540

2 001 167

49 639 455

854 326

- Quickest response
- Best price













Cross references all National Standards of Alloys.

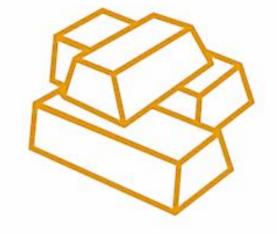






#### **OPTIMIZING EFFICIENCY**

User-Friendly Training and Rapid Material.



#### **EASY METAL SOURCING**

1000+ Verified Suppliers arround the Globe.



### PRECISION RFQ TARGETING

Only Send RFQs to Companies with desired Stock.



- Cost savings by comparing a broader selection of supplier quotations with less effort
- Precise targeting of your RFQs to suppliers able to deliver your requests
- Knowing what and how to request to get the best price and availability
- Automation and assistance from request to order

# JULIE will disruptively improve your business!



# How much does it cost to have access to JULIE 1,0?

### \$1250 usd per user per month

#### ROI Example:

- JULIE will save at least 25% of operation time per buyer +/- \$22 500 per year
- JULIE will help to bring at least 3% cost saving on raw material spent \$30 000 based on \$1M spent /year

Julie licence per year \$15 000 usd

ROI of 3.5 month or min of \$40k saving per year

#### Intangible:

- No learning curve, no training by an experience buyer needed
- Use JULIE and replace an experienced buyer
- Let your buyer doing value added task

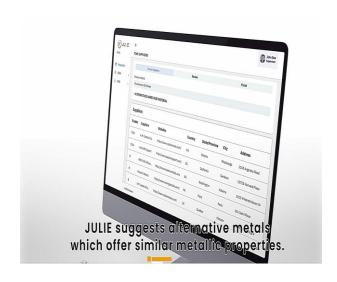


# Roadmap to Add Al to our software JULIE 2.0

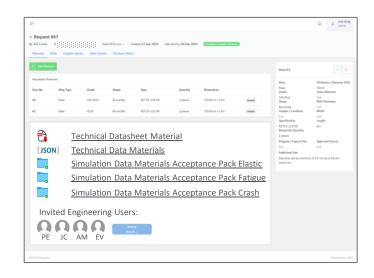
**Alternative materials feature** 

**Should cost analysis feature** 

**MAT GPT** 









## MOOVING Alternative materials feature



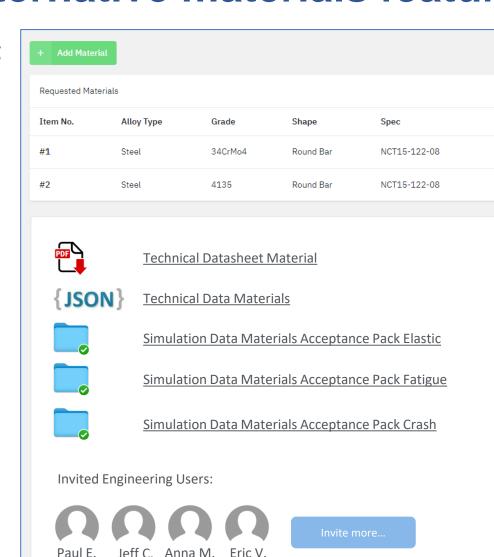






### JULIE Engineering Acceptance/ **Approval Module**

- Cut cost and time for material replacement
- Quickest way to evaluate material with cost savings or improved availability
- Get material datasheet as PDF and digital data file
- Get FEA model data
- Al driven data prediction
- · No waiting time to run validation simulation
- · Validation tests only on prior accepted candidates
- Data sources you trust
- Trace back prediction to data sources used
- Automate CAE acceptance
- Approve back into PLM/ERP



- Item #1 Alloy Thickness / Diameter (OD) Steel 35mm Grade Inner Diameter 34CrMo4 Shape Wall Thickness Round Bar N/A Width Temper / Condition N/A Specification Length NCT15-122-08 Requested Quantity 1 pieces Program / Type of Use Approved Source N/A N/A Additional Info Diameter can be minimum of 33 mm up to 35 mm
- Model by WICEBOOK AI Services, Phoenix (AZ)
- Mat-GPT AI Model and Cloud Service
- Technical Behavior Prediction Tool/API

Details

Details

- Trainable with your technological data assets
- Raise your data treasure!

Quantity

1 pieces

1 pieces

Dimensions

T/D35mm x L5m

T/D35mm × L5m

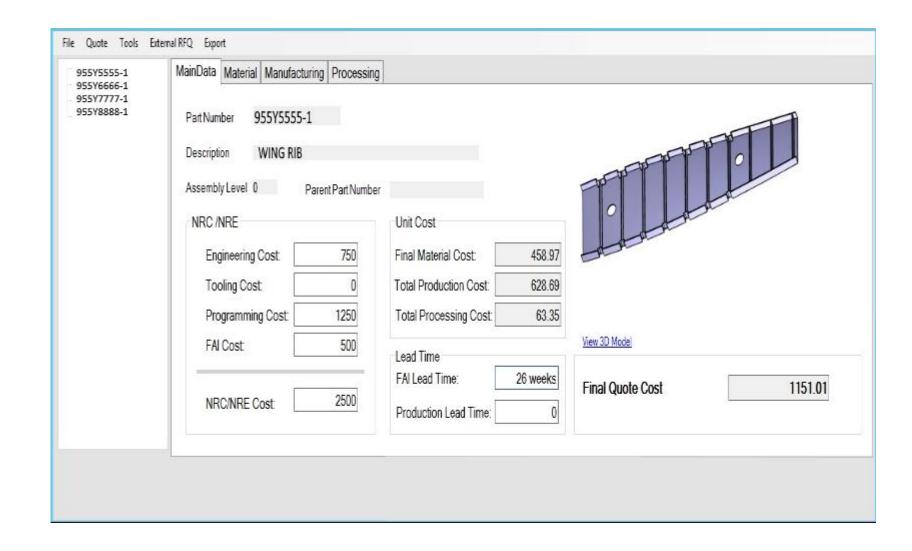


# Should cost analysis for make or buy

## JULIE

#### True should cost

- Know price trends in advance
- Can estimate a large volume of parts detail
- Save Time
- Experience (expert verdict)
- Progressive (price trend AI)
- Risk-Based
  - Disruptive Innovation
  - Includes Progressive
  - Adds Risk Prediction
- Expert probability >50%
- Progressive >50%
- Risk-Based probability >70%





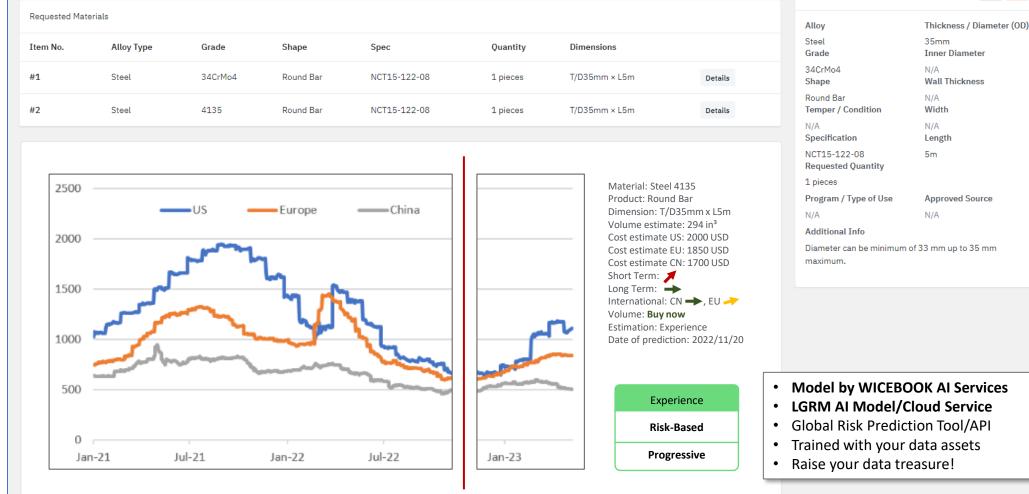
# **Should cost analysis, Cost Estimation, Prediction of Cost Evolution**

/ =

Item #1

# JULIE Cost Prediction Module

- Know price trends in advance
- Plan split of order volume
- Save costs
- Experience (expert verdict)
- Progressive (price trend AI)
- Risk-Based
  - Disruptive Innovation
  - Includes Progressive
  - · Adds Risk Prediction
  - Foresee crises impacts
  - Predicted impacts of e.g.:
    - COVID 19
    - Ukraine war
  - Successfully used in:
    - Travel industry
    - Crisis intervention
- Expert probability >50%
- Progressive >50%
- Risk-Based probability >70%





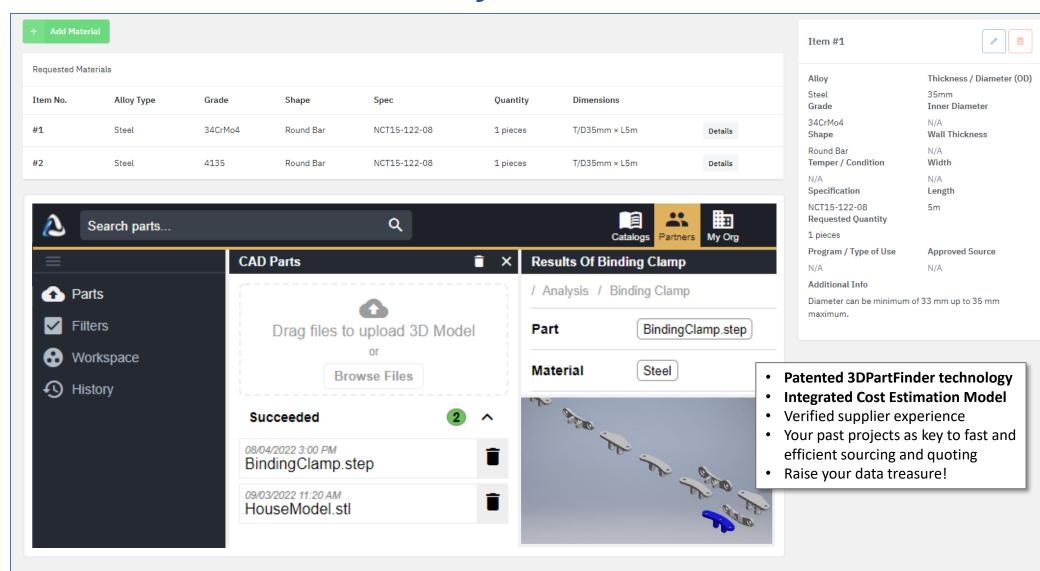
# Should cost analysis, More than just Raw Materials... 3D Geometry research

#### JULIE Make Or Buy Module

"We did a similar part/assembly in project XYZ, what did we use and what did it cost?"

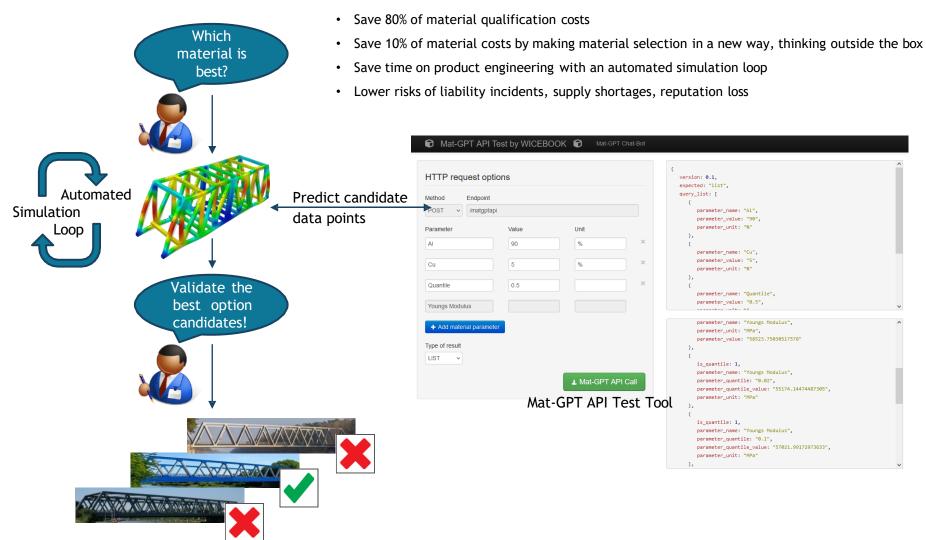
- Upload drawings
- Choose preferred manufacturing settings
- Huge part, component, supplier database
- Patented geometric similarity
- Al driven comparison of geometry and specification
- Find experienced suppliers by proof of supplier quality
- Integrate your past sourcing projects/experience





### **Mat-GPT – Materials Generative Pre-Trained Transformer**

Mat-GPT Use Case: Predictive Materials Selection for Product Engineering





Ability to Integrate with third party ERP and CAD Software.







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