



mema. + OrbAid™
Center for Sustainability

Webinar

The Road to Sustainability

Using AI to Accelerate Your Journey



Welcome we're glad your here.

We'll get started shortly. In the meantime, please complete the pre-survey below so we can best tailor today's session to your goals.

Facilitated by
William Crane
CEO, OrbAid

Pre-Survey



LinkedIn



+ 1 248 404 8249



william.crane@OrbAid.com



OrbAid.com

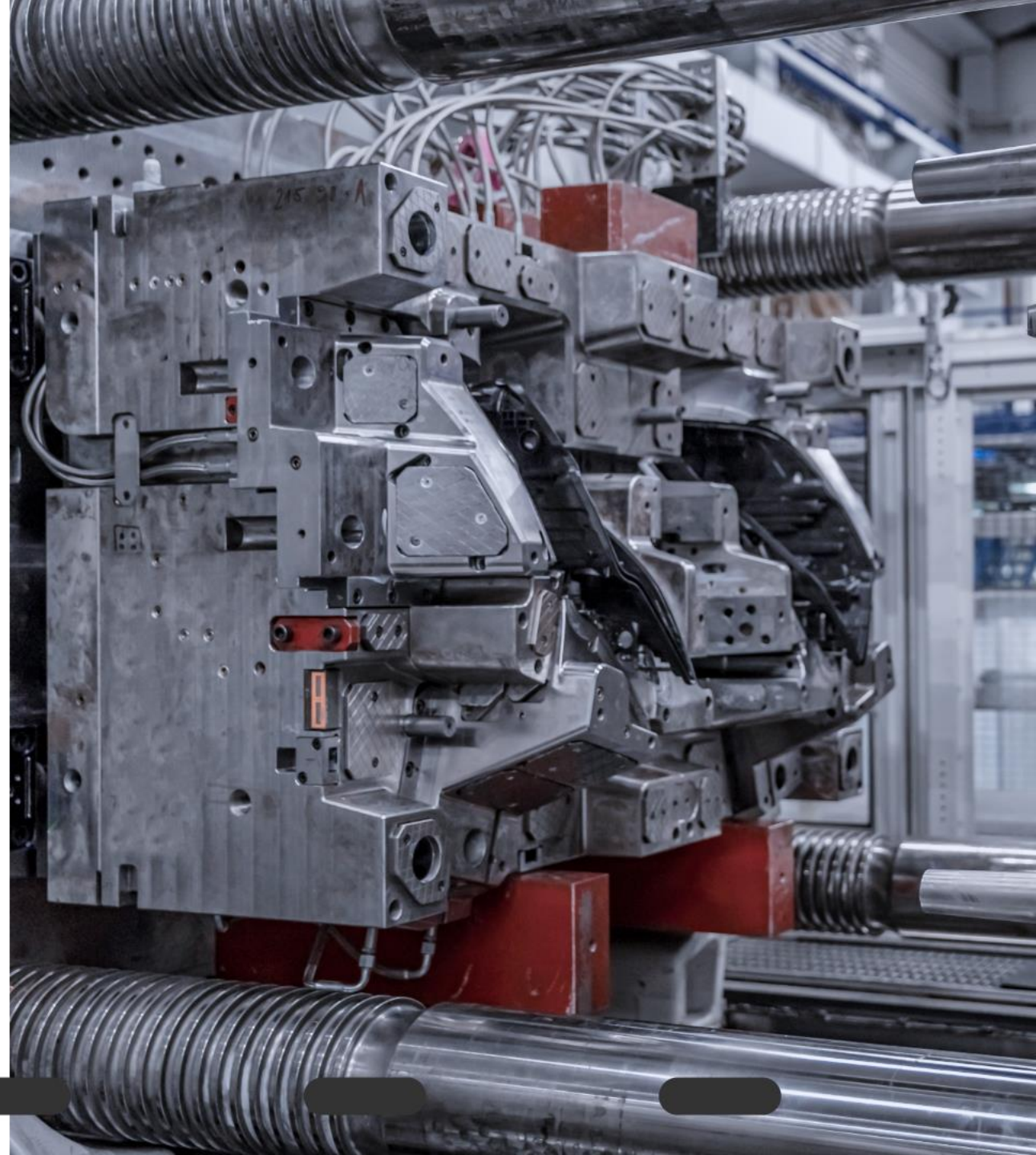
Webinar Goals

Benchmarking Data

Lessons Learned

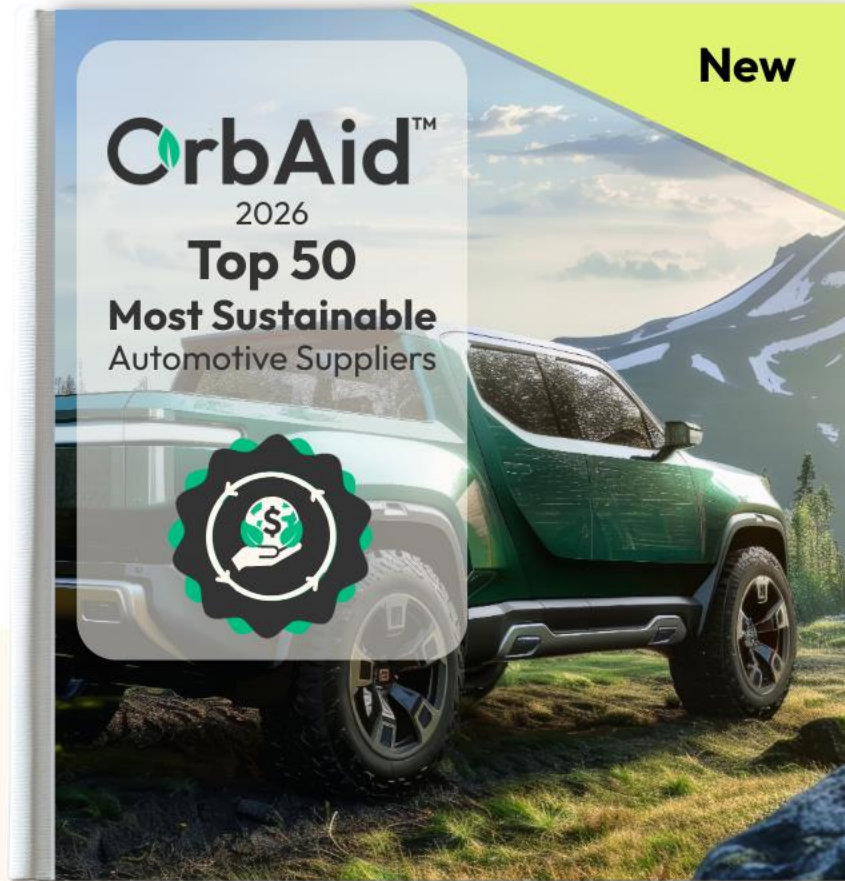
Support Resources

Questions & Answers



Preview New Research

Mission: Empower teams to boost both **business profits** and **environmental impact**

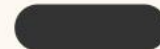
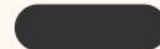
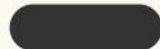


M UNIVERSITY OF MICHIGAN joint research

- ✓ Analyzed 500+ leading suppliers + 110+ datapoints
- ✓ Highlights leaders' correlated actions driving results
- ✓ Distills sustainability project mgmt. best practices
- ✓ Explores how AI and tech are reshaping work
- ✓ Quantifies industry challenges and opportunities



Download Report



OrbAid™ Benchmarking Data

2026 Americas Automotive OEMs Percent with Supplier Sustainability Requirements



University of Michigan and OrbAid collaborative research

OrbAid™ Benchmarking Data

2026 Americas Automotive OEMs Supplier Sustainability Requirements

	Emissions	Energy	Water	Materials	Packaging	Biodiversity	Supply Chain	Chemicals	AI
1. General Motors	Guidance	Guidance	Guidance	Guidance	Guidance	Guidance	Guidance		
2. Toyota	Requirement	Requirement	Requirement	Guidance	Guidance	Requirement		Requirement	
3. Ford	Requirement	Requirement	Requirement	Requirement	Requirement	Requirement	Requirement	Requirement	
4. Stellantis					Guidance				
5. Honda	Requirement	Requirement	Requirement	Requirement	Requirement	Requirement			
6. Hyundai	Requirement	Requirement	Requirement	Requirement	Requirement	Requirement	Requirement		
7. Nissan	Guidance	Guidance	Guidance	Requirement		Guidance	Guidance		
8. Subaru	Requirement		Requirement	Requirement		Guidance	Requirement		
9. Tesla	Requirement	Requirement	Requirement	Requirement	Requirement				
10. Mazda	Guidance	Guidance	Guidance	Guidance		Guidance			
11. Volkswagen	Requirement	Guidance	Requirement	Requirement	Requirement	Requirement			
12. BMW	Requirement	Requirement	Requirement	Requirement		Requirement			
13. Mercedes-Benz	Requirement	Requirement	Requirement	Requirement	Requirement	Requirement	Requirement		Requirement
14. Volvo						Requirement	Requirement		Requirement
15. Rivian									
16. Lucid									

Key Sourcing: Guidance Consideration Requirement

University of Michigan and OrbAid collaborative research



OrbAid™ Benchmarking Data

2026 Top 50 Most Sustainable Automotive Suppliers

Supplier Reporting Rates on Sustainability Targets by Focus Area



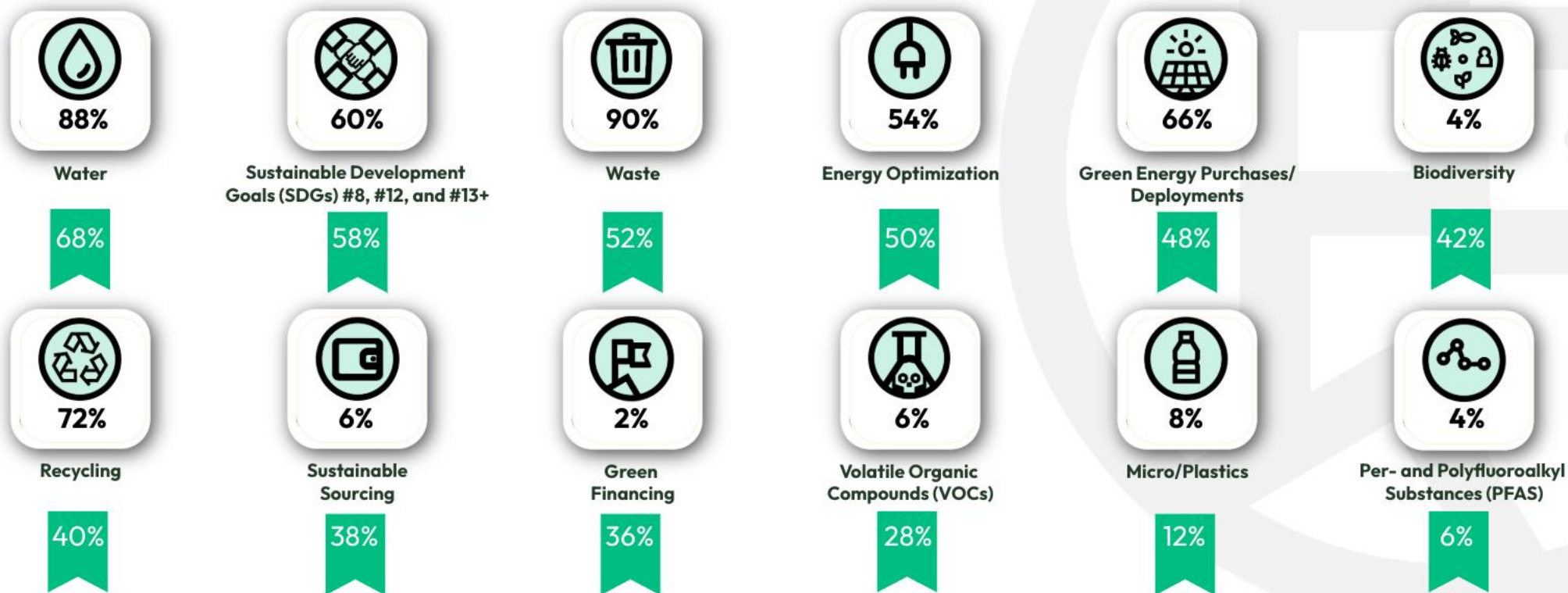
Key Targets Projects

University of Michigan and OrbAid collaborative research

OrbAid™ Benchmarking Data

2026 Top 50 Most Sustainable Automotive Suppliers

Supplier Reporting Rates on Sustainability Targets + Projects by Focus Area

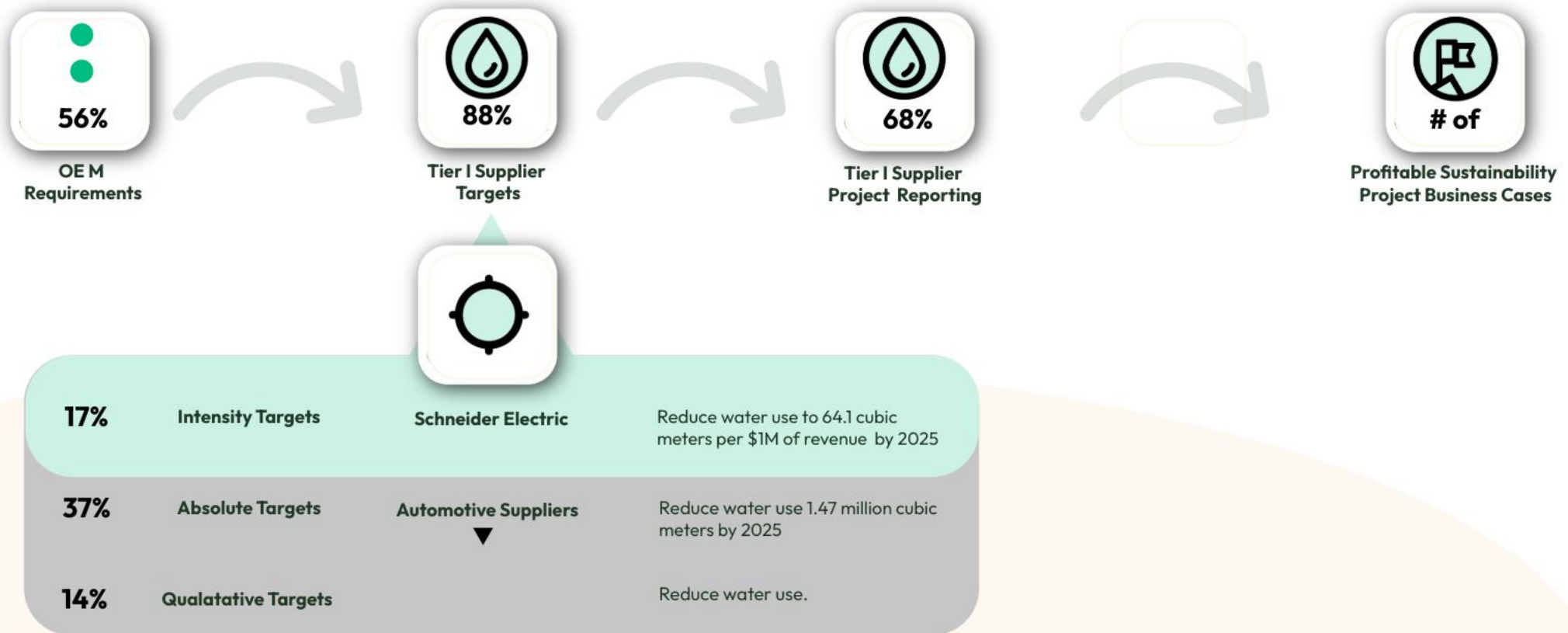


Key Targets Projects
University of Michigan and OrbAid collaborative research

OrbAid™ Benchmarking Data

2026 Top 50 Most Sustainable Automotive Suppliers

Leading suppliers report that time-bound intensity targets are driving more consistent results



University of Michigan and OrbAid collaborative research

OrbAid™ Benchmarking Data

2026 Top 25 Most Sustainable Automotive Suppliers

- | | | |
|-----------------------|----------------------------|------------------------|
| 1. Schneider Electric | 11. Emerson Electric | 21. Adient |
| 2. ZF | 12. Sika | 22. STMicroelectronics |
| 3. Eaton | 13. Hyundai Mobis | 23. Bridgestone |
| 4. ABB | 14. Atlas Copco | 24. CIE Automotive |
| 5. Infineon | 15. Toyota Tsusho | 25. Michelin |
| 6. Bosch | 16. Toyota Boshoku | |
| 7. Magna | 17. Panasonic | |
| 8. TE Connectivity | 18. Stanley Black & Decker | |
| 9. Hitachi | 19. NVIDIA | |
| 10. Johnson Controls | 20. Henkel | |

Top 25

Average Operating Profit Margin = 11.5%
35.7% > Top 26-50

Greener Bottom Line

✓ \$371.3K cost savings
per sustainability project

✓ 423 sustainability projects
completed annually

✓ 88% report status of
sustainability projects

✓ 20.7 MT of GHG¹ CO₂e²
per \$1M of revenue

✓ 287.6 MT of GHG CO₂e
per \$1M of operating income³

GHG¹ = greenhouse gas

CO₂e² = Carbon dioxide equivalent

operating income³ = EBIT

University of Michigan and OrbAid collaborative research

OrbAid™ Benchmarking Data

2026 Top 50 Most Sustainable Automotive Suppliers

26. Dana	36. Schaeffler	46. Amphenol
27. Flex	37. Toyota Gosei	47. Aisin
28. Micron Technology	38. Autoliv	48. Nidec
29. Rockwell Automation	39. LG Electronics	49. NEC
30. Marelli	40. Antolin	50. Valeo
31. Aptiv	41. Goodyear	
32. Pirelli	42. AGC	
33. Saint-Gobain	43. Hankook	
34. BorgWarner	44. Lear	
35. NXP Semiconductors	45. Hanon Systems	

Top 50

Average Operating Profit Margin = 10.0%
27.1% > Top 51-100

Greener Bottom Line

✓ \$239.4K cost savings
per sustainability project

✓ 341 sustainability projects
completed annually

✓ 79% report status of
sustainability projects

✓ 53.3 MT of GHG¹ CO₂e²
per \$1M of revenue

✓ 891.8 MT of GHG CO₂e
per \$1M of operating income³

GHG¹ = greenhouse gas

CO₂e² = Carbon dioxide equivalent

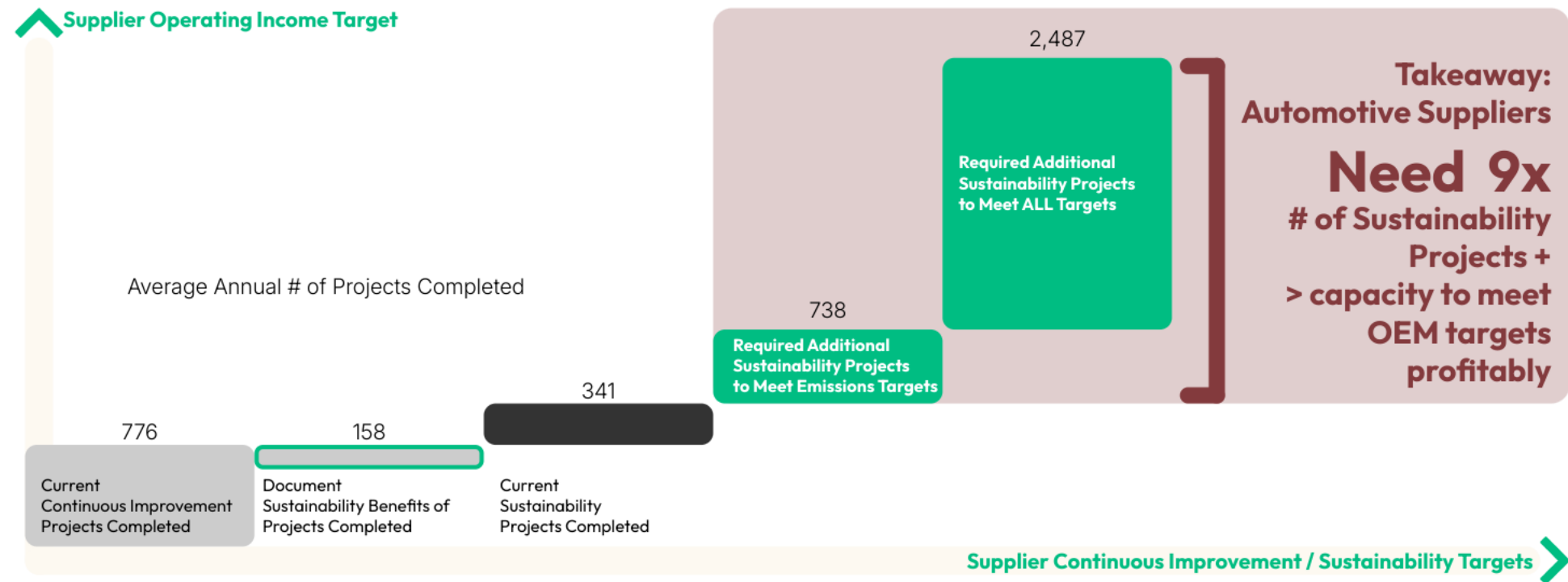
operating income³ = EBIT

University of Michigan and OrbAid collaborative research

OrbAid™ Benchmarking Data

2026 Top 50 Most Sustainable Automotive Suppliers

Sustainability Projects Required per Supplier per Year to Meet OEM Targets Profitably



Project Type: ● Continuous Improvement ~ 'Broad Efficiency' Projects ● Sustainability ~ 'Environmental Efficiency' Projects ● Required Additional Sustainability ~ 'Environmental Efficiency' Projects

University of Michigan and OrbAid collaborative research

Supplier Sustainability Requirements: Key Challenges

⊗ Advancing ALL Targets

50+ targets, 300+ datapoints, 10+ standards

⊗ Increasing Project Quantity

9x number sustainability projects needed

⊗ Involving ALL Functions

6-10 job functions per sustainability project

⊗ Expanding Team Capacity

1-10 full time employees, need 100s-1K+ engaged

⊗ Increasing Reporting Costs

\$185K-\$1.5M per year in reporting costs

= < 12% of supplier sustainability targets on track

OrbAid™ Benchmarking Data

Supplier Sustainability Requirements: Lessons Learned

✓ Leverage AI-assistance > capacity

⊗ Advancing ALL Targets

> ✓ Quantify ALL Project Benefits

⊗ Increasing Project Quantity

> ✓ Create Project Business Cases

⊗ Involving ALL Functions

> ✓ Match Individual + Company Goals

⊗ Expanding Team Capacity

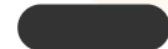
> ✓ Generate Project Task Next Steps

⊗ Increasing Reporting Costs

> ✓ Roll up + Share Site Project Results

Your existing team = delivers environmental efficiency profits

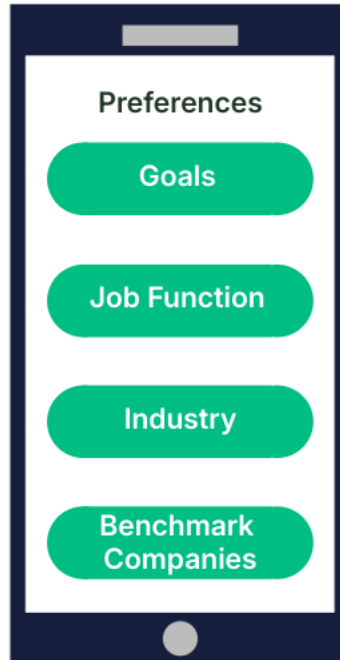
University of Michigan and OrbAid collaborative research



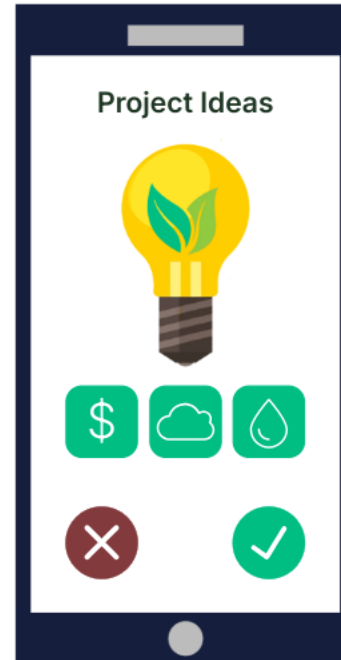
OrbAid™ AI Lessons Learned: How AI Can Accelerate Targets

Personalize high-ROI projects fast—no data input required

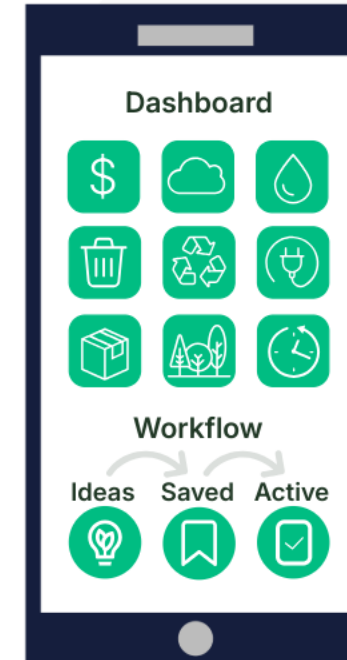
Step 1



Step 2



Step 3



OrbAid™ AI Lessons Learned

Empower site level project managers and bottom up reporting to executive management



Anuj Shah
Sr. Transformation
Program Manager -
Corporate Sustainability



Marysville Plant

Individual Goals

Deploy Autonomous
Floor Scrubber

+ Peer wins

+ Reference data

+ Estimated Impact



Receives and
accepts project idea,

Project Ideas



accepts, then gets
business case

Project
Results

0.52
MT

299% ROI

622K
L

3 month payback

\$75K

2 month timeline



OrbAid™ AI Lessons Learned

Simplify project workflows—from idea to action—to boost profits



Preet Gill
Head of Sustainability &
Digitization, Electronics
& ADAS Group



Personalize
business cases

Advance
ALL targets

Improve
with use

Showcase
peer wins

Automate
workflow tasks



Goals

Job Function



Industry

Benchmark
Companies



Task #1

Task #2



Q&A



William Crane
Founder & CEO



+ 1 248 404 8249



william.crane@OrbAid.com



OrbAid.com

Support Resources

OrbAid™ **complementary AI software tool access + support to accelerate your goals**

Step 1. On your mobile phone, or internet device download app or goto

<https://app.orbaid.com/enterprise-signup>

**Step 2.
Schedule
Support**

**Download
Report**

