



STUDENT BRIEF

DEVELOP A PROJECT PLAN FOR SUSTAINABLE SUPPLY CHAIN INTEGRATION

Rolls-Royce

Summary

Rolls-Royce is a leading engineering company that powers aircraft, ships, and energy systems worldwide. As demand for greener aviation grows, the company is working hard to make its aerospace supply chain more sustainable. We're asking for your ideas on how to engage suppliers and make sure they're reducing their emissions and adopting eco-friendly practices. You'll create a project plan that balances sustainability with cost and efficiency, while tackling real-world challenges like regulations and supply chain transparency.

KEY WORDS

Aerospace, sustainability, supply chain, project management, emissions reduction

INDUSTRY

Aerospace, Engineering, Sustainability

FOCUS

- Supplier engagement in sustainability
- Reducing emissions across the supply chain
- Adapting ideas from other industries
- Cost-effective project management strategies
- Navigating regulations and consumer expectations

Brief

I work in one of the teams at Rolls-Royce that focuses on how we can make our aerospace supply chain more sustainable. The work we do here doesn't just impact us—it affects the entire aviation industry and contributes to the global push for greener travel. The challenge is big: how do we make sure the companies that supply us (think materials, components, and services) are doing their part to reduce emissions and adopt sustainable practices?

That's where you come in. We'd like your ideas on how to build a project plan for





engaging suppliers in sustainability efforts. Your plan will need to address real-world issues like cost, regulations, and how to measure progress effectively. This isn't just about coming up with ideas—it's about creating a practical roadmap we could actually use.

Here's what I'd like you to do:

1. **Research the problem**

Start by looking into the main sustainability challenges in the aerospace supply chain. What's making it hard for companies like Rolls-Royce to reduce emissions and improve transparency? Use publicly available information, like government reports, sustainability case studies, or industry publications, to understand the bigger picture.

2. **Learn from others**

Check how companies in other industries (e.g., automotive, technology) have successfully engaged their suppliers in sustainability. Are there interesting strategies or tools they've used that Rolls-Royce could adapt? Look for examples backed by data or clear results.

3. **Propose specific actions**

Based on your research, outline the steps Rolls-Royce could take to improve supplier engagement. Be specific—what should we ask suppliers to do? How can we support or incentivise them? What kind of tools or systems could help track their progress?

4. **Build a project plan**

Put your ideas into a clear project plan. Include an executive summary, a timeline for implementing your actions, and a basic outline of costs. Highlight any risks (e.g., costs running too high, suppliers not cooperating) and explain how these could be managed.

5. **Consider the bigger picture**

Think about the role of regulations and consumer expectations. How can these shape what Rolls-Royce asks from suppliers? For example, what's happening with carbon reporting rules or demand for greener products?

Strong work will show you've understood the complexities of the issue and come up with practical, creative ideas that could work in the real world. Good luck with it—I'm looking forward to seeing how you approach this.

