



Unlocking Career Potential as a Development Manager in Energy Storage at PPG

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Why Energy Storage Development Managers Are the New Rockstars

Imagine being the conductor of an orchestra where lithium-ion batteries play lead violin and thermal management systems handle percussion. That's essentially what a Development Manager in Energy Storage does at PPG - harmonizing cutting-edge materials science with sustainable energy solutions. With the global energy storage market projected to reach \$435 billion by 2030 according to BloombergNEF, PPG's strategic push into this sector creates exciting career opportunities.

PPG's Secret Sauce in Energy Innovation

While best known for its iconic paint cans, PPG has been quietly developing game-changing coatings for battery components:

- Nanoceramic thermal interface materials that improve battery safety
- Conductive polymer coatings enabling faster charging
- Corrosion-resistant solutions for grid-scale storage systems

The Development Manager's Playbook

In this role, you'd be navigating the energy storage value chain like a chess grandmaster:

- Leading cross-functional teams of chemists and engineers
- Developing battery component coatings with 15% higher energy density
- Collaborating with automotive OEMs on next-gen EV battery solutions

Real-World Impact: Case Study in Action

PPG's recent partnership with a major EV manufacturer demonstrates this role's significance. By co-developing specialized battery cell coatings, the team achieved:

- 23% reduction in thermal runaway incidents
- 18% improvement in charge cycle longevity
- Certification for use in extreme climates (-40°C to 60°C)

Navigating the Career Landscape

The path to becoming PPG's energy storage maestro typically requires:

- Advanced degree in Materials Science or Chemical Engineering



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- 5+ years experience in battery technology development
- Proven track record in commercializing electrochemical solutions

Compensation Sweet Spot

While PPG keeps salary data confidential, industry benchmarks show:

- Base salaries ranging \$130K-\$180K for similar roles
- 15-25% performance bonuses tied to technology milestones
- Stock options reflecting PPG's 12.3% YOY growth in specialty materials

Future-Proofing Your Career

As the industry pivots toward solid-state batteries and flow battery systems, successful candidates will need:

- Expertise in dry electrode coating technologies
- Understanding of AI-driven battery management systems
- Experience with circular economy principles in materials design

The PPG Advantage

What sets this role apart? You're not just developing products - you're shaping the materials infrastructure for renewable energy adoption. With PPG's recent \$50M investment in battery innovation centers and partnerships with 14 top-tier research institutions, this position offers unparalleled resources to drive meaningful technological breakthroughs.

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