

RADISH TECHNOLOGIES

CARBON REDUCTION COMMITMENT 2022-2030

30% Reduction Target by 2030



A Strategic Initiative for Sustainable Growth

EXECUTIVE SUMMARY

2022 Baseline

2,214.91 tCO₂e

2030 Target

1,550.44 tCO₂e

Reduction Needed

664.47 tCO₂e



CRITICAL ALERT

Current emissions are INCREASING, not decreasing:

- 2023: +36% above baseline
- 2024: +110% above baseline
- 2025: +188% above baseline
- 2026: +82% above baseline

Immediate action required to reverse this trend.

OUR COMMITMENT

Radish Technologies is committing to reducing our combined Scope 1 and Scope 2 greenhouse gas emissions by an average of 30% by 2030, with a baseline year of 2022.

We recognize this commitment as essential to:

- ✓ Meet customer expectations and supply chain requirements
- ✓ Reduce operational costs through energy efficiency
- ✓ Mitigate climate-related business risks
- ✓ Position Radish as a sustainable manufacturing leader
- ✓ Attract talent committed to environmental responsibility

2022 BASELINE: 2,214.91 tCO₂e

2030 TARGET: 1,550.44 tCO₂e

30% Reduction = 664.47 tCO₂e annual reduction

2022 BASELINE: WHERE WE STAND

Our Facilities

Plant P2

1,576.09 tCO₂e

71% of
total

Plant P7

638.82 tCO₂e

29% of
total

TOTAL 2022

2,214.91 tCO₂e

Emission Sources (2022)

Grid Electricity (79.8%)

Natural Gas (10.2%)

Diesel (7%)

Acetylene/Welding (3%)

KEY INSIGHT

Grid Electricity drives 79.8% of our emissions. This is our PRIMARY opportunity for impact through renewable energy and efficiency improvements.

OUR STRATEGY: 5-PILLAR ROADMAP

1

RENEWABLE ENERGY

- Expand on-site solar capacity
- Power Purchase Agreements (PPAs) for renewable grid electricity
- Green energy certificates

Target: 40% renewable energy by 2030

2

ENERGY EFFICIENCY

- LED lighting upgrades across facilities
- HVAC system optimization
- Compressed air leak detection/repair
- Equipment efficiency audits

Target: 25% energy reduction by 2030

3

PROCESS OPTIMIZATION

- Casting furnace efficiency improvements
- Powder coating oven upgrades
- Equipment maintenance program
- Shift to electric/induction technologies

Target: 15% process energy reduction by 2027

IMPLEMENTATION TIMELINE 2024-2030

PHASE 1: FOUNDATION (2024-2025)

- ✓ Complete energy audit at both facilities
- ✓ Solar capacity assessment & expansion planning
- ✓ Energy management system implementation
- ✓ Staff training on carbon reduction initiatives

PHASE 2: EXECUTION (2025-2027)

- ✓ LED lighting retrofit (80% of facilities)
- ✓ Solar capacity increase (target: 50% of electricity demand)
- ✓ HVAC system upgrades and optimization
- ✓ Establish green power PPAs

PHASE 3: OPTIMIZATION (2027-2030)

- ✓ Advanced process technologies deployment
- ✓ Compressed air system upgrades
- ✓ Electric/induction equipment transition
- ✓ Target: 30% total emissions reduction achieved

GOVERNANCE & ACCOUNTABILITY

Leadership & Ownership

Steering Committee:

- Chief Operating Officer (Sponsor)
- Facilities Manager (Lead)
- Finance Manager
- Operations Leads (P2 & P7)
- Sustainability Officer

Monitoring & Reporting

Monthly emissions tracking

Quarterly steering committee reviews

Annual progress report

Transparent reporting to Legrand

Key Performance Indicators

Annual tCO2e

Track against target path

Renewable Energy %

Target 40% by 2030

Energy Efficiency Gains

Target 25% reduction

Project Milestones

On-time delivery of initiatives

Cost Savings

Track vs. investment ROI

OUR PLEDGE

Radish Technologies is committed to achieving a 30% reduction in combined Scope 1 and Scope 2 GHG emissions by 2030.

We will:

- ✓ Execute our 5-pillar roadmap with discipline and transparency
 - ✓✓ Provide quarterly progress reports to our stakeholders
- ✓ Adapt and innovate as new technologies and opportunities emerge
 - ✓ Lead by example in sustainable manufacturing practices

This commitment is backed by leadership support, dedicated resources, and measurable accountability.

Together, we build a sustainable future for Radish Technologies

QUESTIONS & NEXT STEPS

IMMEDIATE (Q4 2024)

- Board approval of carbon reduction strategy
- Form steering committee
- Begin detailed project planning

SHORT-TERM (Q1 2025)

- Conduct comprehensive energy audit
- Solar capacity assessment
- RFP process for key initiatives

ONGOING

- Monthly tracking and reporting
- Quarterly stakeholder updates
- Annual public progress report

Radish Technologies - Sustainability Initiative

For questions or more information, contact our Sustainability Officer

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