Green IT
The Future Ray of Hope for Globalization Sustenance

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Nanda Kumar
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Kovaion Consulting
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Founder & Director - Kovaion Consulting Limited, London, UK

Career Experience: 17+ Years (IT), 12+ Years (Serial Entrepreneur, Charity)

Achievements: Successfully employing 200+ resources across globe.

Awards & Recognitions: Distinguished Technopreneur Award, NFED, 2020.

Summary:

➢ He is responsible for Kovaion's inception, growth and innovative ideas.

➢ He steered Kovaion by defining strategic direction and offerings, planning and executing growth plans, marketing and service delivery.

➢ He has experience in client relations, applications development, maintenance, support, training, product consulting, project and delivery management.

GREEN IT – AN INTRODUCTION

Study and Practice of using computing resources efficiently

Technological progress with environmental protection

Designing Energy Efficient IT Architecture

Social Responsibility

Overall help Environmental cause

Energy Consumption by Physical Data Centers and subsequent Carbon emissions

Manufacturing represents 60-85% of life cycle energy demand for a personal computer and 50-60% for mobile phones.

Uncycled Electronic Wastes like circuit boards

Carbon emissions due to paper industry

IDC STUDY

56% of organizations find cloud uses less energy than similar on-premises systems in a datacenter.
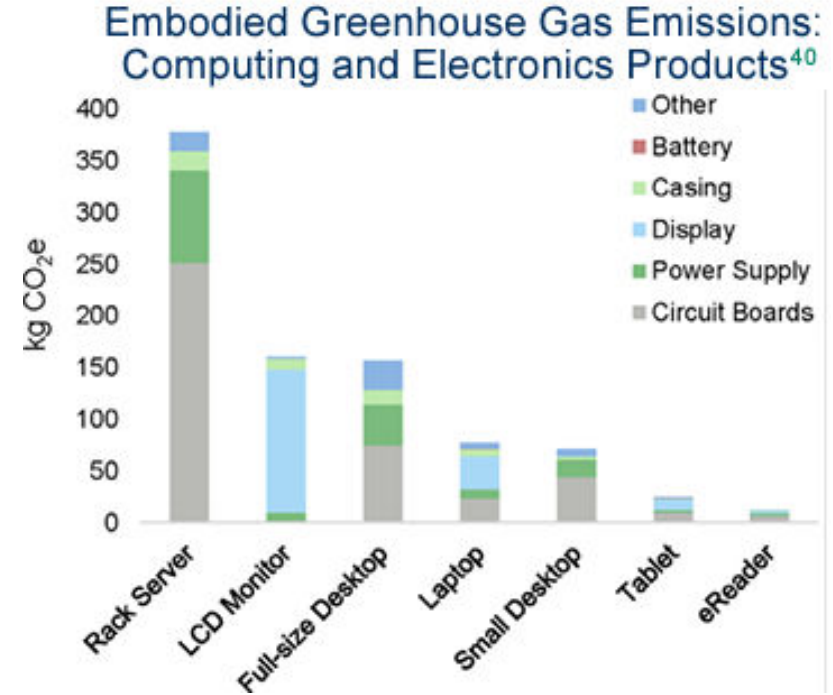
56%

Data Center Design - Virtualization

Ensure Digital Product Longevity and careful usage

Efficiency of Computer programs / Algorithms

Reduce Energy Consumption at home/office

Embodied Greenhouse Gas Emissions: Computing and Electronics Products[40]

Legend:
- Other
- Battery
- Casing
- Display
- Power Supply
- Circuit Boards

y-axis: kg CO_2e (0, 50, 100, 150, 200, 250, 300, 350, 400)

x-axis categories: Rack Server, LCD Monitor, Full-size Desktop, Laptop, Small Desktop, Tablet, eReader

Renewable Energy

- Solar Energy powers 30% of our office

Energy Efficient

- Cloud servers, Office lighting, Laptops

Reduced Paper

- Digital Signatures, Paperless onboarding/offboarding

Recycle Old Equipment

- Recycle old Laptops, desktop, wires

Avoid Single Use Plastic

- cutleries, plastic wraps