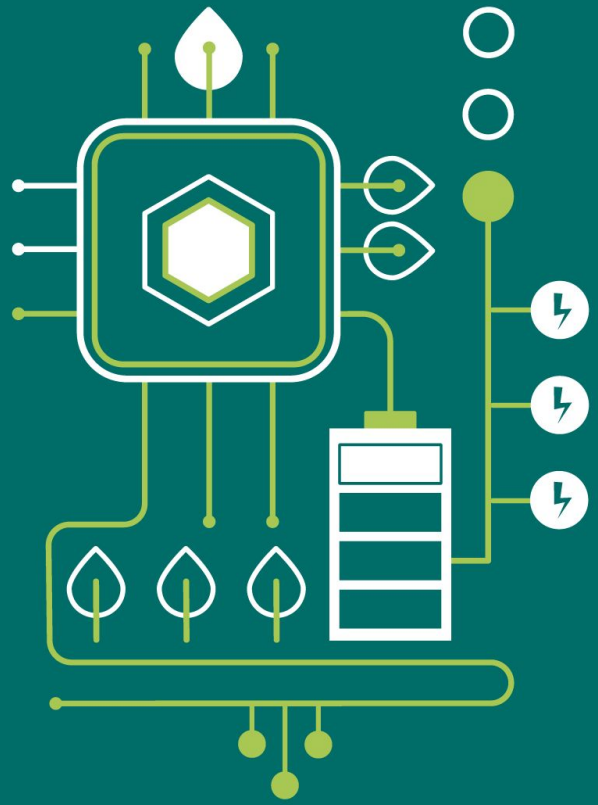
Green Software Foundation

Philosophy of Measurement

Asim Hussain, ED @ GSF



Who am I?

Asim Hussain

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@ Green Software Foundation

https://asim.dev
https://twitter.com/jawache
https://linkedin.com/in/jawache

Reach

Members across
190
countries

150

Volunteers contributing to GSF projects.

10

Members listed as **FORTUNE Global 500** companies

Engaging a global workforce of over **1.5 million people**

Our Steering Members

avanade

BCG X

CISCO

Google

Microsoft

NTT DATA

SIEMENS

UBS

Our General Members

Structure

ED

Chairperson

STEERING COMMITTEE

Green AI Committee

Developer Relation Committee

Standards

Hardware Standards Working Group

Software Standards Working Group

- SCI Guide
- SCI Specification
- SCI for AI
- Real-Time Cloud
- TOSS
  Transforming Organizational Software Sustainability

Policy Working Group

Policy Radar

Adoption Projects

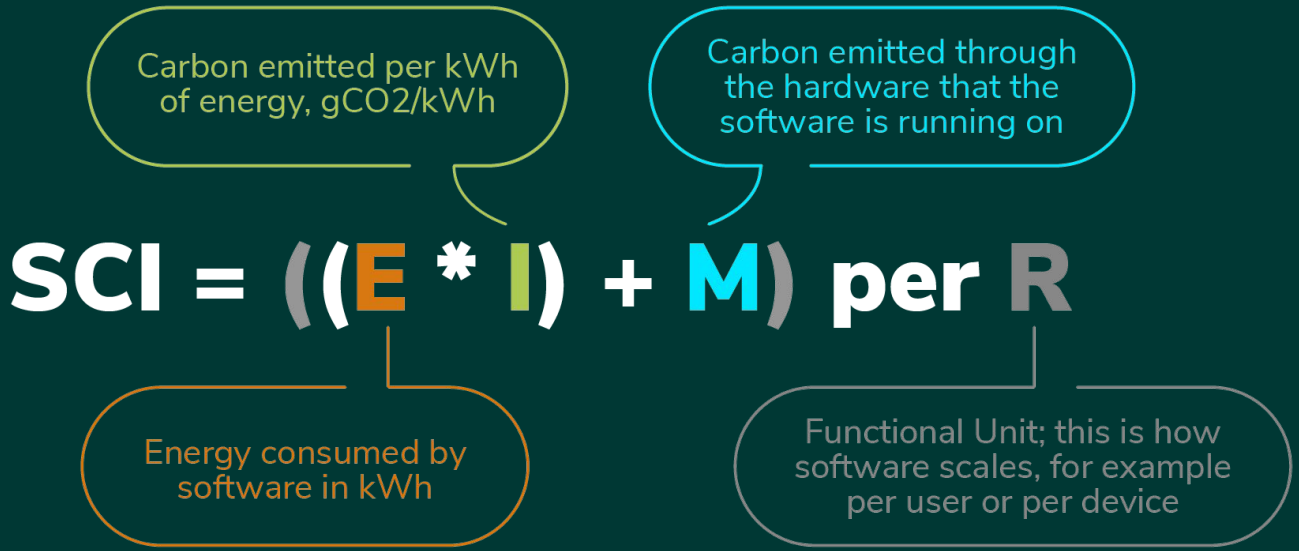
- Carbon Aware SDK
- Impact Framework
- Awesome Green Software
- Principles
- Patterns
- Maturity Matrix
- Green Software Playbooks
- Higher Education Engagement

Community

- Meetup
- Podcast
- Green Software CHAMPION

Events

- DECARBONIZE SOFTWARE
- Carbon Hack
- Green Software Foundation GLOBAL SUMMIT

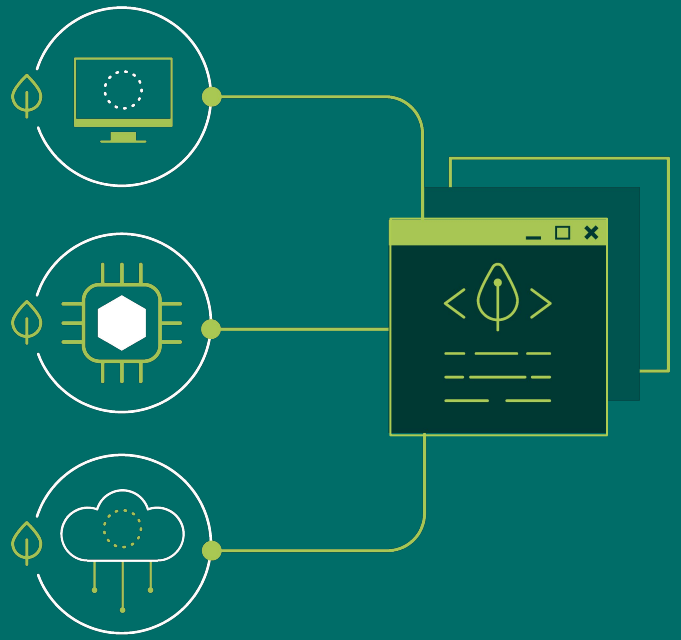


The “per R” is what makes the SCI into a tool that works for every software domain, every use case, and every person.

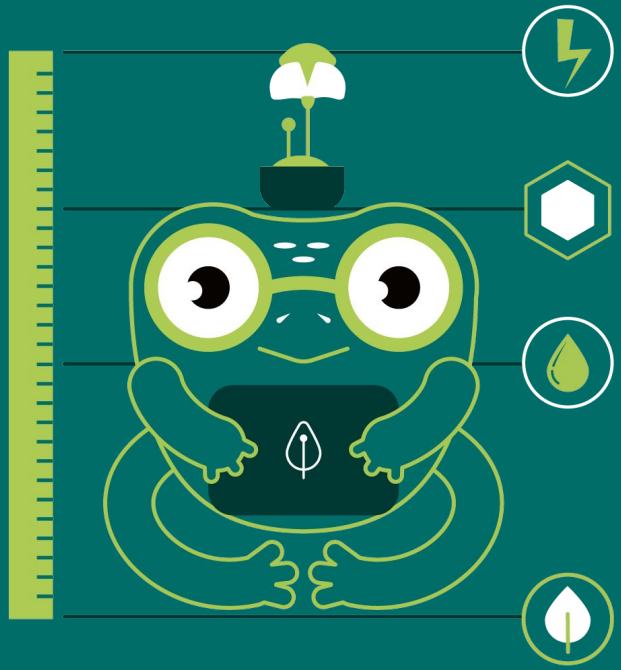
Agenda

Totals are poor KPIs & lead to inaction.

How we engineer metrics so they do lead to action

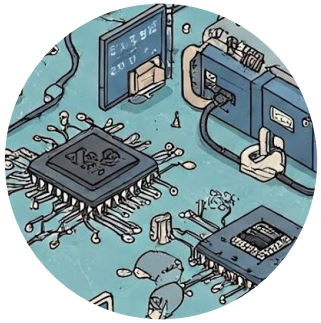


Totals lead to inaction



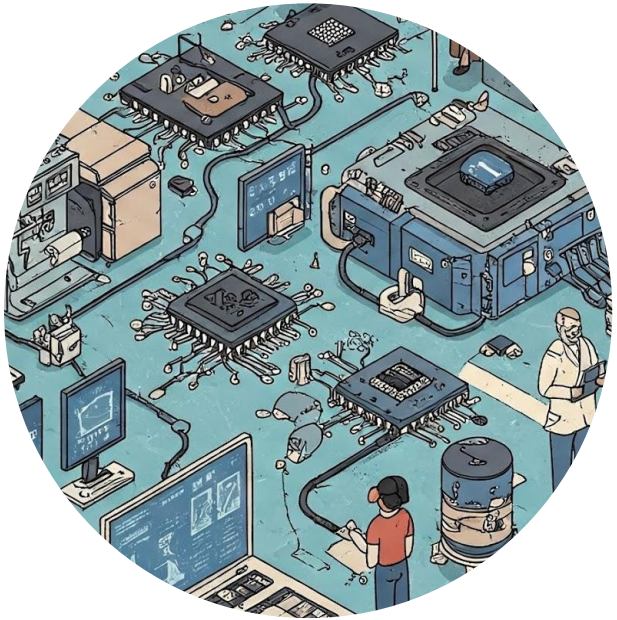
What is a total metric?

5



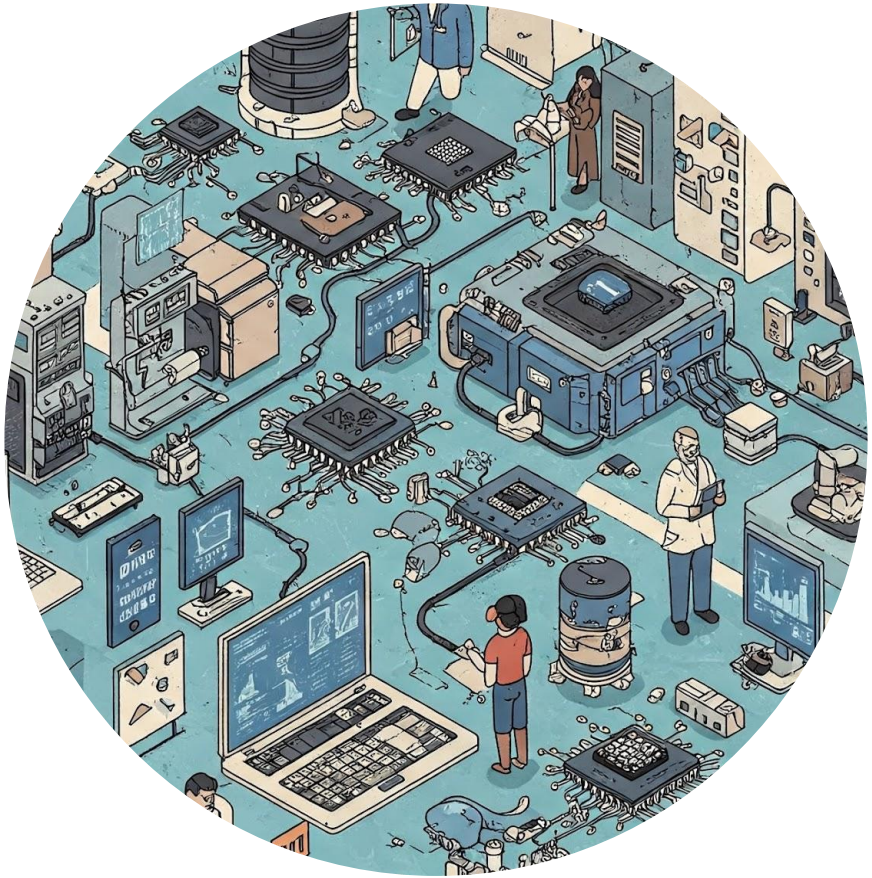
What is a total metric?

500



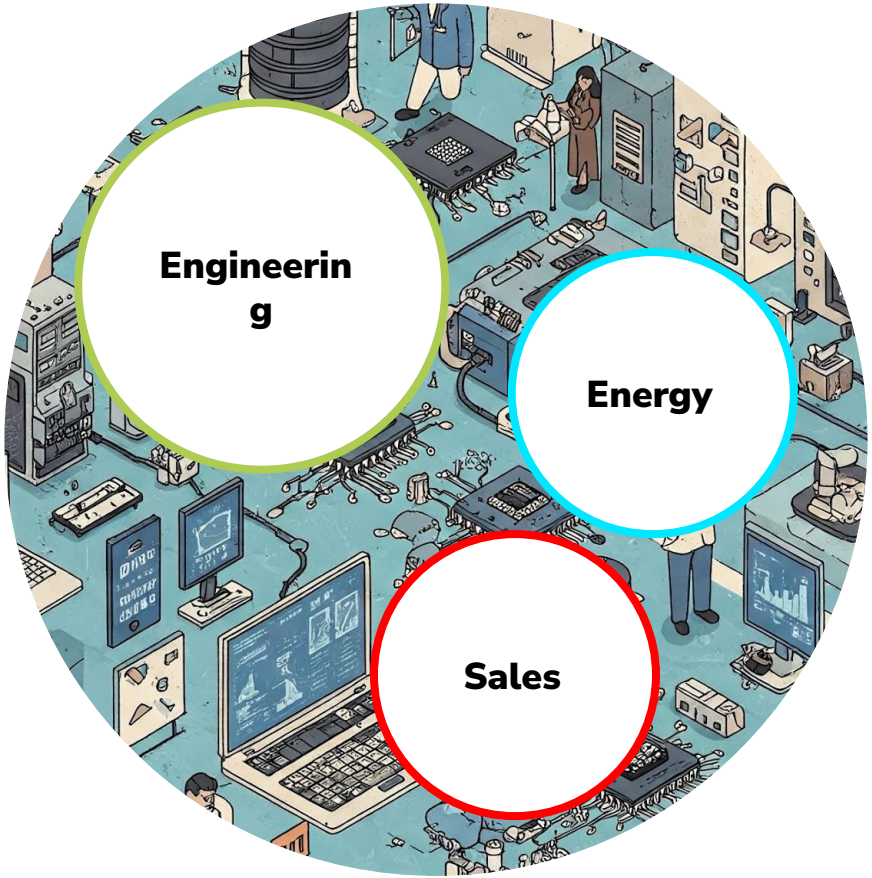
What is a total metric?

5000



When everyone is responsible, no one is responsible

5000



Signs of a poor KPI

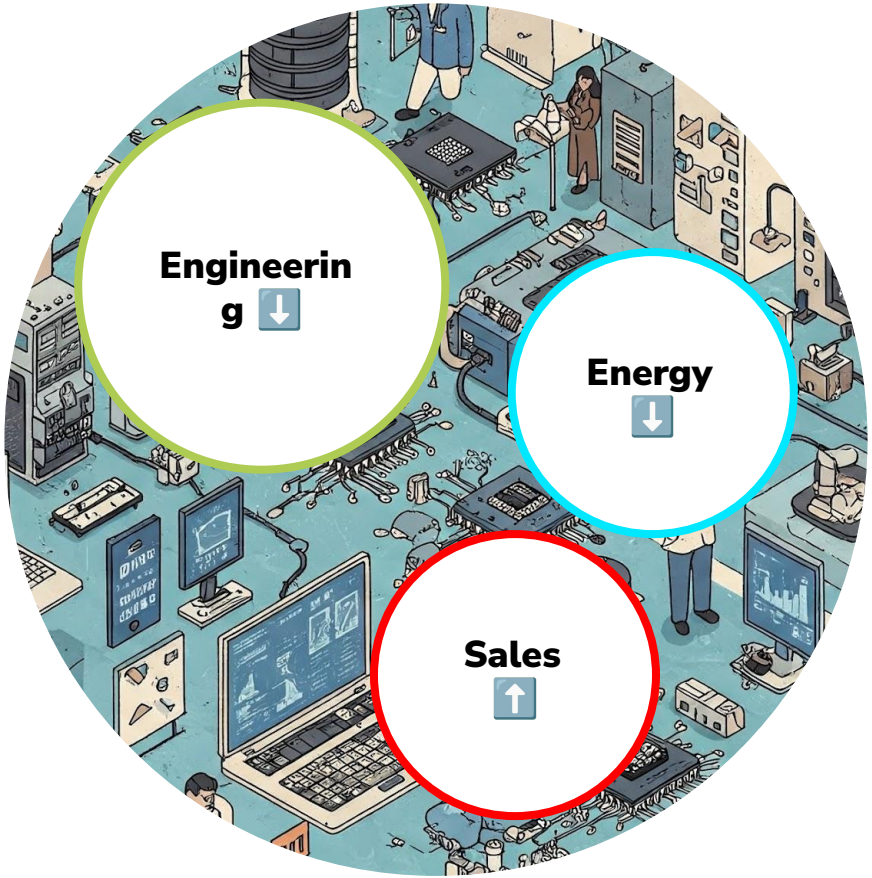
- If you do everything **right** and the KPI moves in the **negative** direction.
- When you do everything **wrong** and the KPI moves in a **positive** direction.
- If you do **nothing** and the KPI **changes**.

Total metrics are poor KPIs

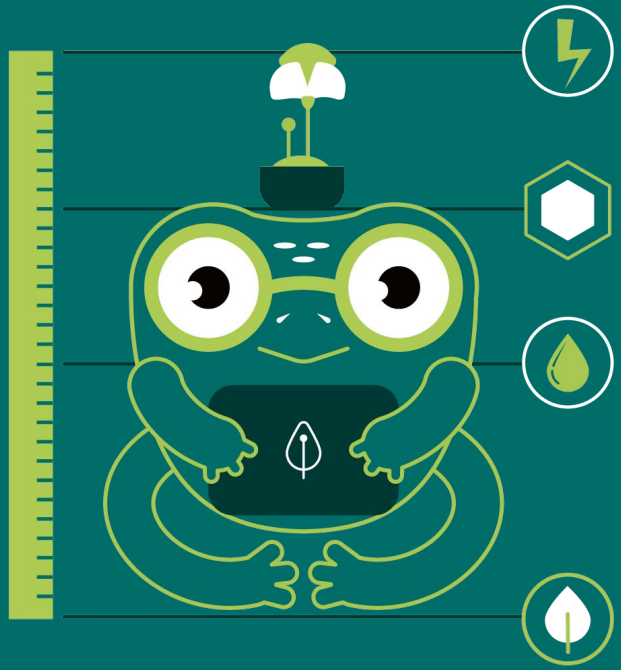
5000

👇

10000

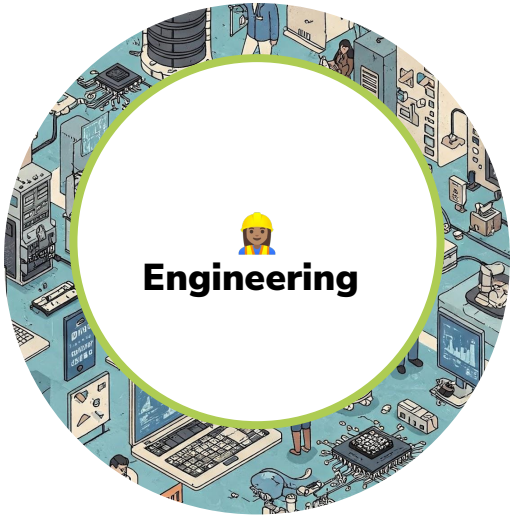


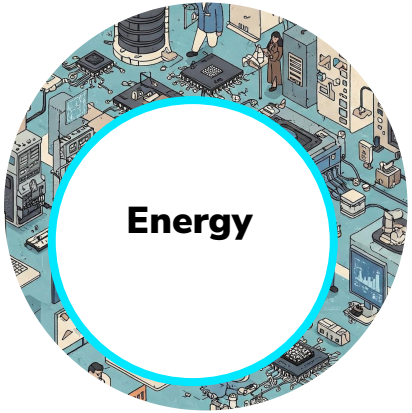
Agency leads to action



Align metrics to the agency boundary of teams

SCI

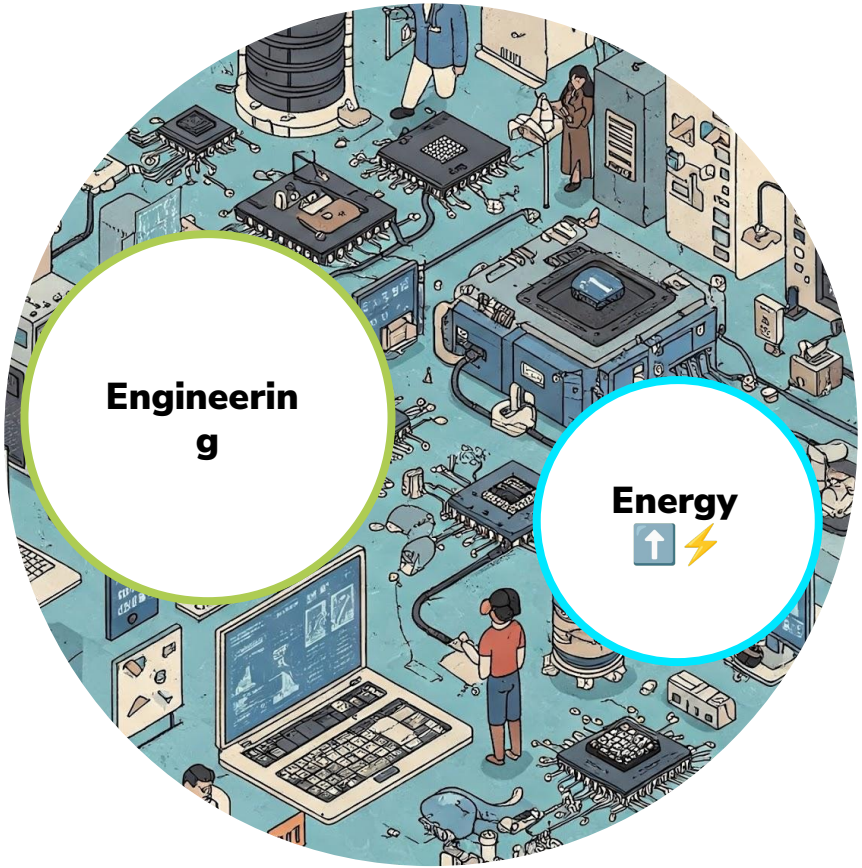




100% CFE

Why the SCI doesn’t allow offsets?

SCI ⬇️



Metrics drive action

- Like a dashboard of a car, you need many different metrics to know what's going on.
- Measuring is not the end goal. It's a tool to signal which direction you should be going and how fast.

Conclusion

When everyone is responsible, no one is responsible

Align metrics to the agency of teams

We need 100’s of metrics inside orgs to drive meaningful change.