Market Engagement:

*Sustainability & Innovation IWR2021 Workspace Hardware*

*BRINC European Hub PPI Project*

**Johan Rodenhuis**

*Sustainability Advisor*

*Category ICT Workspace Dutch Central Government (IWR)*

Ministry of Economic Affairs and Climate Policy

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Category IWR

- Scope: ICT Workspace for government buildings/offices and employees of the Dutch Central Government (DCG);

- 12 Government wide contracts:
  - Workspace hardware (laptops, tablets, smartphones, displays, location bound ICT, multifunctional printers, networkprinters and audiovisual products)
  - Telecom (telephony, VoIP, sms gateway, inbound/outbound)

- Participants: whole Dutch Central Government, High counceals of state, Advisory councils, Courts, etc;

- Spend 2021 approximately 163 M€/jaar;

- IWR team: 8 persons.
Sustainability goals IWR:

- Procurement with Impact
- One of the forerunners in the EU
- Actively sharing knowledge and collaborate inside and outside DCG/EU:
  - F.e. working groups within DCG
  - F.e. Circulair & Fair ICT Pact, ProCirc and Buyer Groups
- Actively contribute to a “green Product and Services Catalogue” of ICT system integrators within DCG: only “green” products available in IWR contracts
- Keep innovating: every procurement cycle more sustainable
  - Collaborating with rating / auditing organisations
  - Creating market engagement
  - Care for Participants
  - Focus on incremental and sustainable innovation
Sustainability ambitions (2)

Requirements and award criteria on:
1. Energy and Climate
2. Materials, Natural Resources & Circulair Economy
3. Living Environment
4. Well being & Health
5. Social aspects (social return)
6. Human rights & Ethics
7. Social Costs & Benefits

Best value for taxpayers money:
› Multiple market consultations
› 50% price / 50% quality (award criteria);
› Quality: >87% award criteria on sustainability;
Project IWR2021 Workspace Hardware

1. IWR2021|WpHW|Workspace Hardware (WpHW)| Displays (incl. optional accessoires and services);

2. IWR2021|WpHW|Laptops & Vaste ICT werkplekken (incl. optional accessoires and services);

3. IWR2021|WpHW|Android devices & Accessoires (incl. optional services);

4. IWR2021|WpHW||iOS, iPadOS & MacOS devices (incl. optional accessoires and services);

5. IWR2021|WpHW|Workspace services (contract transcending):

Total estimated value IWR2021 WpHW approx. 475 M€.
Market engagement

- Primary focus sustainability

- Market developments: ongoing (Q1 2020)

- Consulting market:
  - Q2 2020-Q1 2021
    - Deskresearch incl. rating / auditing organizations: April – June 2020
    - Suppliers: Juli – November 2020
  - Publishing concept strategy and concept requirements:
    - Anomimized answers suppliers: november 2020;
    - Procurement strategy: january 2021;
    - Concept requirements: february 2021.

- Tendering:
  - 4 Tenders Q2 - Q3 2021 (until august)
  - 1 Tender Q3 2021 – Q1-2022 (until january)

- Participants:
  - Meetings focused on sustainability from policy to requirements
  - Step by step
  - Sustainability as starting point
How Category ICT Workspace (IWR) deals with Sustainability & CSR

1. Minimum Ecovadis requirement resellers:
   - Contractor requires a minimum score of ‘Good’;
   - For IWR2021 Services: Advanced (working towards Outstanding) for contractor and sub-contractors.

2. Minimum Ecovadis requirement for vendors of products:
   - IWR2021 Laptops and Fat Clients: Advanced;
   - IWR2021 Displays: Partial (working towards Advanced);
   - IWR2021 Android & Accessories: Advanced;
   - IWR2021 Services: Advanced (working towards Outstanding)

3. Monitoring by category IWR through EcoVadis tool.
4. Additional Product certification requirement: TCO certified
5. Corrective action and reporting obligation.

4. REPORTING:
   - Category Owner, CPO and Customer Board

1. DASHBOARD

3. CONTRACTUAL REQUIREMENTS:

   ACTION PLAN
1. Energy & Climate

- Energy efficiency: Energy Star, 80Plus (Gold, Platinum en Titanium voor desktops en workstations), EU Energylabels;
- Energy management: battery management (SoC) and State of Health (SoH);
- CO2 footprint (LCA);
- CO2 reduction aligned with Dutch climate agreement and DCG policy;
- Most CO2 efficient mix for international transport;
- 1 year after start framework agreement CO2 neutral vehicles or zero emission for smaller vehicles.
- CO2 Compensation using Fairtrade Climate Standaard
  - SDG: 3, 4, 6, 7, 8, 10, 12, 13, 14, 15 en 16
2. Circulair Economy

› Availability spare-parts:
  - 5 years: Laptops, Fat Clients, Displays, iOS/OSX/iPadOS;
  - 4 years: Android & Accessoires.
› Essential parts are repairable by specialists;
› Refurbished, remanufactured or equal products are possible;
› Minimum of 4 years software and security updates;
› E-waste compensation:
  - TCO Certified Edge E-waste compensated for laptops, tablets and smartphones;
› Lease:
  - minimum 80% products repurposed for a second/third life compliant to manufacturer guidelines and security policy DCG;
  - Remaining products: recycling/deassembly high quality natural resources;
EXAMPLE DASHBOARD

IWR2021 WORKSPACE HARDWARE
Based on Greenhouse Gas Protocol ‘Product Life Cycle Accounting and Reporting Standard’ (or equal) incl. raw materials, production, (downstream) transport, 4/5 year use phase and end-of-life.
EXAMPLE DASHBOARD

IWR2021|Workspace Hardware | Laptops en Clients

Climate KPI CO2
Reductie Kalenderjaar 2021 % Lcv. 1990
- Doelstelling periode t/m 2050
- Doelstelling periode t/m 2030
- Doelstelling 2021
- Onvoldoende reductie

Sustainability
EcoVadis Environment & Sustainable Procurement Resellers
- Insufficient
- Partial
- Good
- Advanced
- Outstanding

Sustainability
EcoVadis Environment & Sustainable Procurement Fabrikanten
- Insufficient
- Partial
- Good
- Advanced
- Outstanding

Circularity
Grondstofindustrie in % Aantal Producten
- Doelstelling periode t/m 2050
- Doelstelling periode t/m 2030
- Doelstelling 2021
- Onvoldoende reductie

Corporate Social Responsibility (CSR)
Conformiteit Beleid
- Non-conform
- Bepaald conform
- ISV-beleid (Due diligence)
- ISV+ (EcoVadis)
- ISV++ (EcoVadis & Electronics Watch)

Corporate Social Responsibility (CSR)
EcoVadis Labor, Human Rights & Ethics Resellers
- Insufficient
- Partial
- Good
- Advanced
- Outstanding

Corporate Social Responsibility (CSR)
EcoVadis Labor, Human Rights & Ethics Fabrikanten
- Insufficient
- Partial
- Good
- Advanced
- Outstanding

Social Return (SROI)
Dienstverlening in % Loonom
- 0,0 - 2,5%
- 2,5 - 5,0%
- 5,0 - 7,5%
- 7,5 - 10%
EXAMPLE DETAILS

IWR2021 | Workspace Hardware | Laptops & Clients

Average Product Carbon Footprint (PCF)
in kg CO2-eq., based on 4 year lifecycle

Based on Greenhouse Gas Protocol ‘Product Life Cycle Accounting and Reporting Standard’ (or equal) incl. resources, production, (downstream) transport, use phase and end-of-life.
Recommendations

Product Portfolio Workspace hardware

1. Consider Mobile Only concepts, these contribute to a significant lower CO2 footprint vs. thin/fat clients;

2. Consider using CO2 footprints of products as strategic indication to (re)evaluate and reconsider the product portfolio;

3. Investigate possibilities for BYOD and/or COPE, these concepts contribute to a significant reduction of footprint and TCO (through deduplication >40% reduction CO2/raw materials and with BYOD cost reduction);

4. Investigate possibilities to reduce the number of workspaces with two displays and ultra wide displays (80/20 rule), reuse excess displays in other parts of the government or make them available for home use;

5. Maximize lifecycles for maximum CO2 reduction, lower usage of virgin raw materials, cost savings and risk mitigation of human rights and labour violations:
   a. Smartphones and tablets 5-6 years;
   b. Laptops 5-7 years;
   c. Displays 10 years (or only by defect);

More info: Circularity in practice: How to manage notebook computers responsibly - TCO Certified