



Sustainable Competence
in Advancing Healthcare



CLEANMED 2013

GREEN PUBLIC PROCUREMENT FOR MEDICAL DEVICES

COCIR ACTIVITIES TOWARDS GREENER HEALTHCARE



17 September 2013



COCIR COMPANIES WORKING TOWARDS GREENER HEALTHCARE

COCIR SRI*

COCIR members committed with the EU Commission to improve environmental performance of medical devices.

Ultrasound, MR and CT have been analyzed from 2010 to 2012.

Figures, results, goals and achievements are reported yearly with the SRI Status Report

* SRI: Self Regulatory Initiative

MANAGING SUBSTANCES

COCIR members have been working to implement a data management tool for regulated substances in medical devices since 2008.

BOMCheck, a web-based tool, is developed to allow manufacturers to collect supplier substance information.

Well-structured systems enable compliance with substance legislation and accuracy of declarations.

MEASURING THE ENERGY CONSUMPTION

Standard methodologies for measuring MRI and CT energy consumption are available on the COCIR website for download.

Thanks to COCIR SRI it is now possible:

- To compare different equipment
- To calculate realistic running costs
- To save energy through proper use of the technology



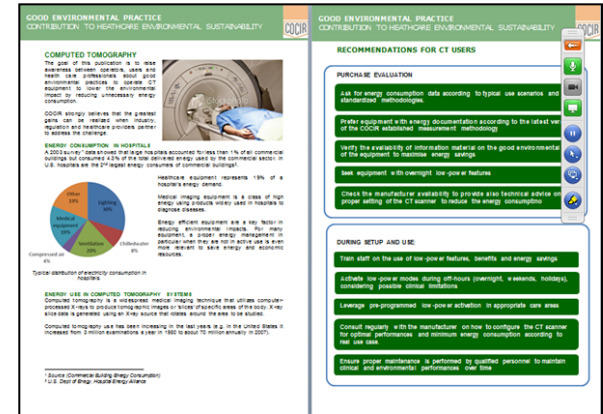
COCIR Publications
Measurement standards
Available at www.cocir.org

BOMcheck.net

COCIR COMPANIES WORKING TOWARDS GREENER HEALTHCARE

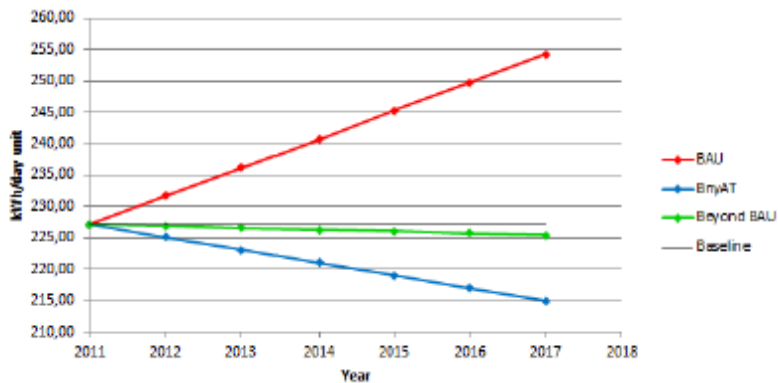
SAVING ENERGY

- Customer requirements for improved clinical performance are pushing energy demands higher
- Greatest potential for savings in non-scanning modes
- COCIR Members are working to increase energy efficiency:
 - ✓ Increasing scan speed
 - ✓ Switch-off of modules when not in use
 - ✓ Implementing low energy modes
- Proper usage can save between 30% and 50% of daily energy consumption. For CT, 11.200 kWh of electricity (on average) can be saved per equipment per year, equivalent to around €1,200.



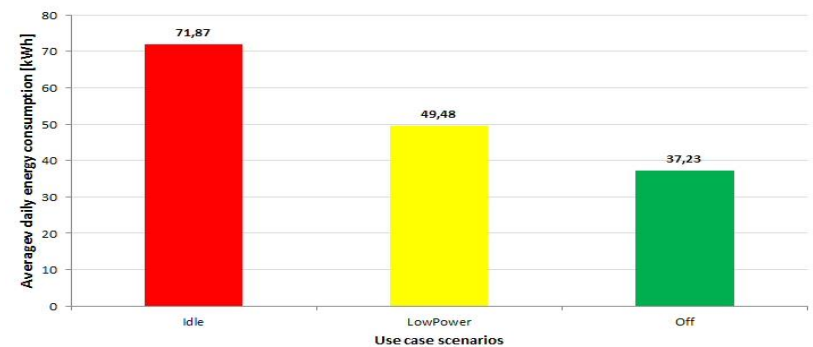
COCIR Brochure
Computed Tomography Good Environmental practice

MRI: ENERGY USAGE FORECAST



CT: ENERGY SAVING ENERGY

AVERAGE DAILY ENERGY CONSUMPTION PER SCENARIO

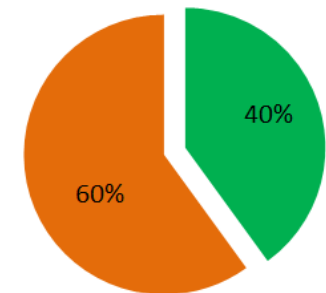




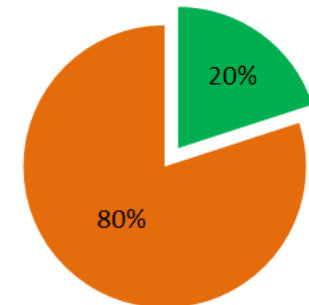
COCIR COMPANIES WORKING TOWARDS GREENER HEALTHCARE

- COCIR Companies believe that proactivity is the best approach to achieve ambitious results in environmentally conscious Healthcare.
- Energy efficiency can be improved by manufacturers but the highest potential lies in usage patterns.
- Saving energy in medical imaging equipment is possible mostly in non-scanning modes. Therefore partnership between manufacturers and user is the key for the reduction of energy consumption.
- Partnering with suppliers up and down the supply chain through the use of structured tools and systems are enablers toward the management of substances.
- Green Public Procurement can promote greener technologies with the use of consistent measurement methodologies, resulting in comparable evaluations.

Computed Tomography
Saving potential through proper use



Magnetic Resonance
Saving potential through proper use





Sustainable Competence
in Advancing Healthcare



THANK YOU

Information on COCIR SRI and activities on ecodesign
of medical imaging equipment at

www.cocir.org