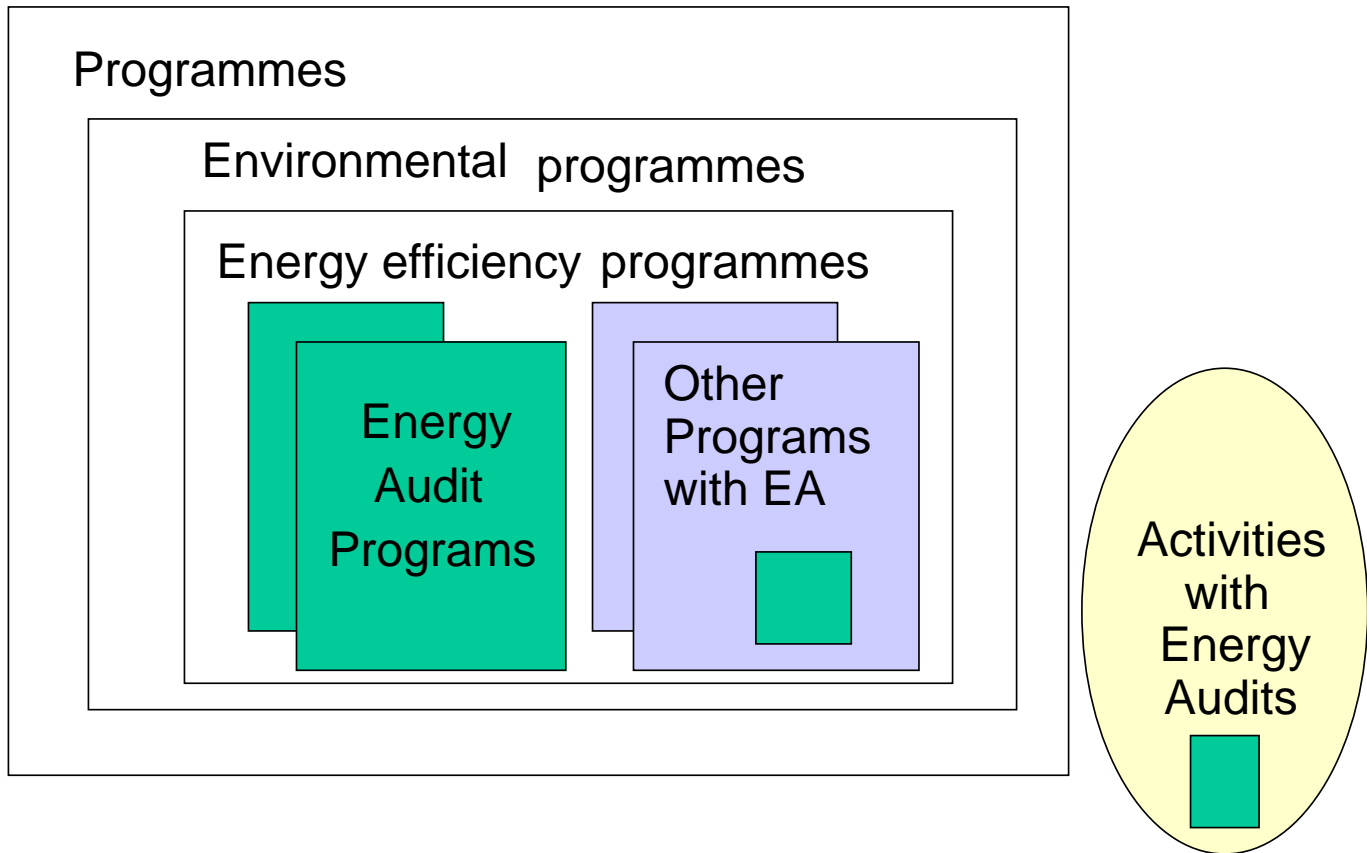


Energy audits, other programmes and other activities

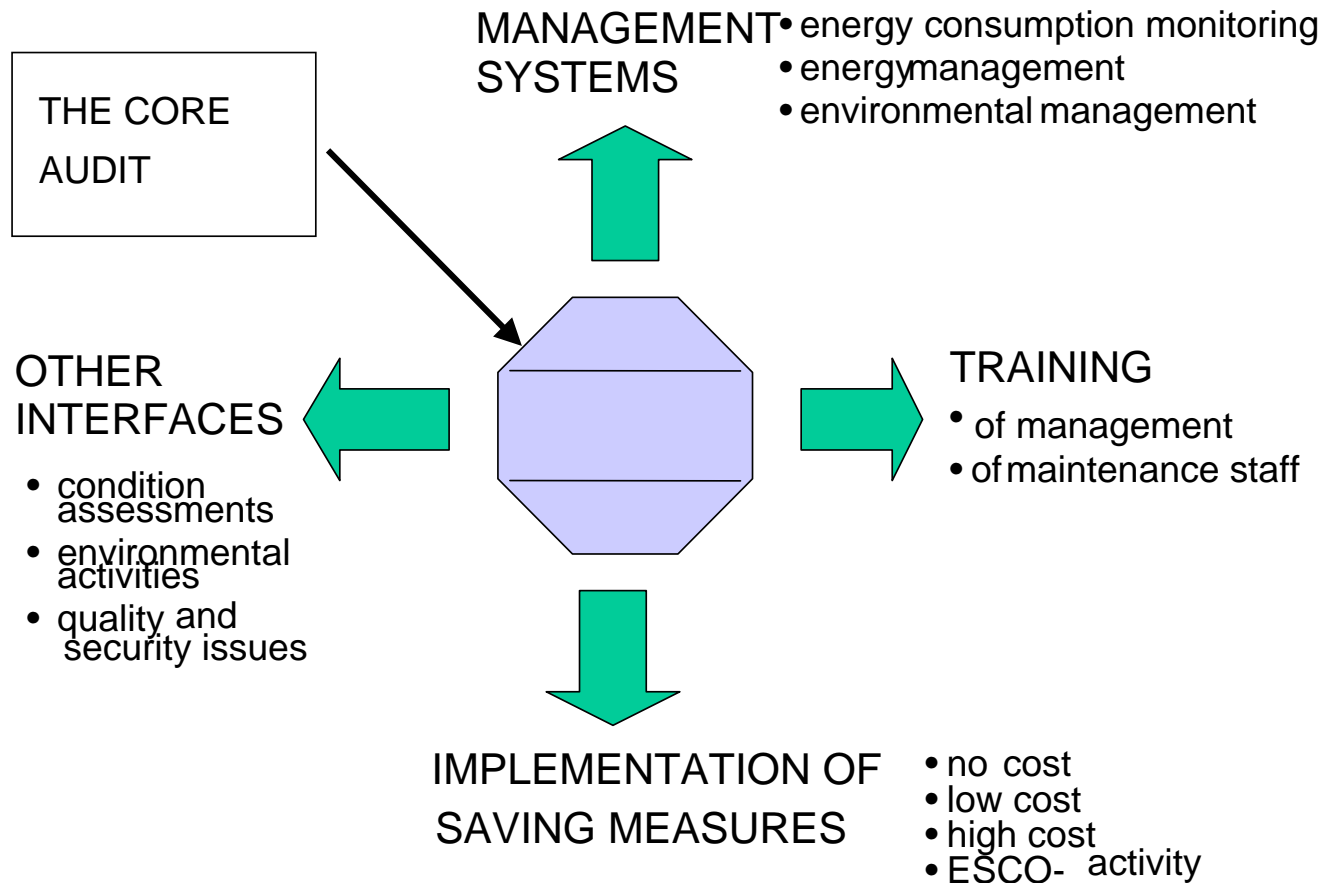


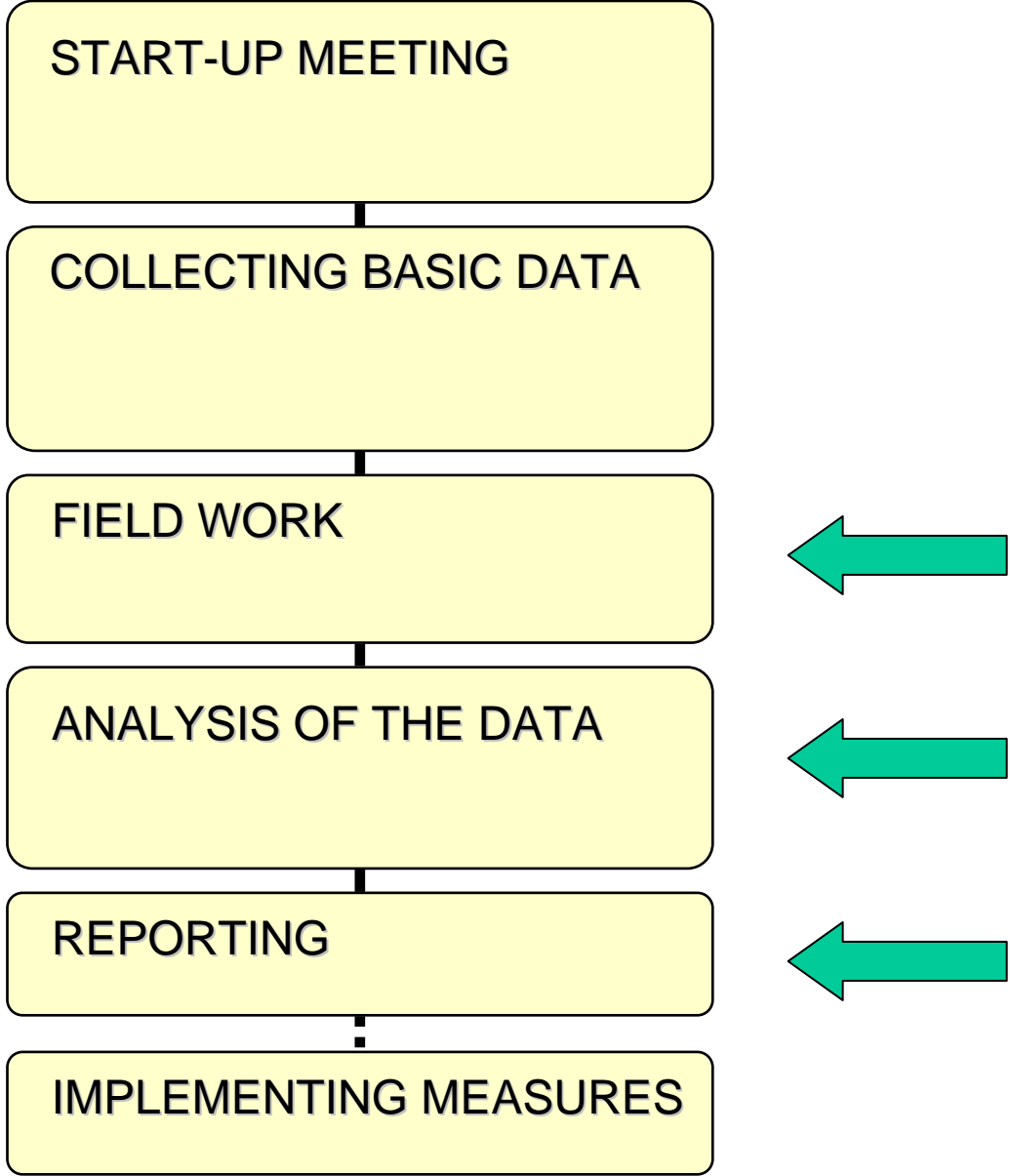
Motiva

Energiankäytön uusi suunta

Energy Audits and other assessments

The interfaces of an Energy Audit





Energy audit or condition assessment?

THE MAIN AIM OF THE ASSESSMENT:

- DATA FOR LONG TERM PLANNING?
- COST SAVINGS?

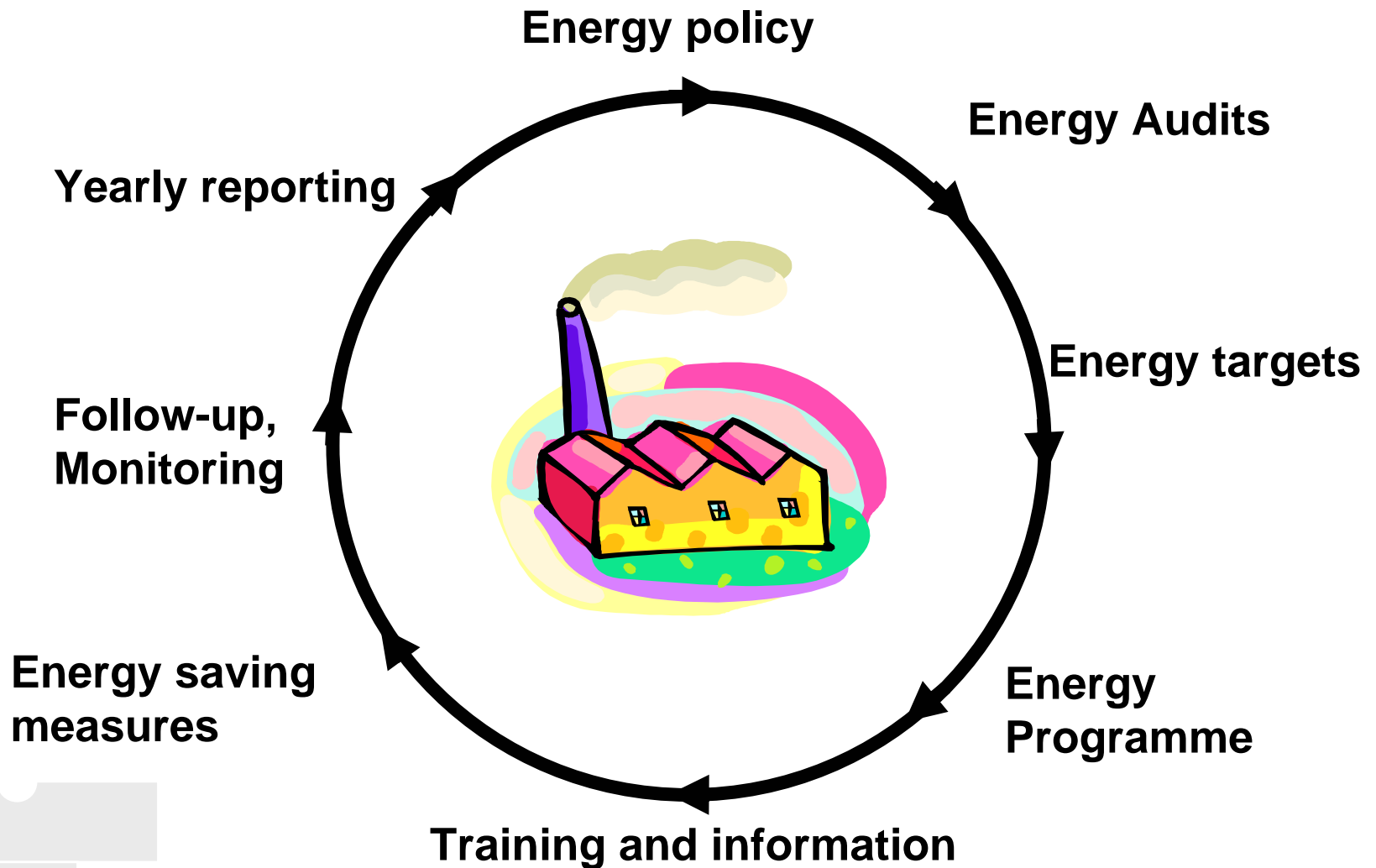
AN ENERGY AUDIT MAY NOT BE USEFUL IF

- THE CONSUMPTION IS ALREADY LOW
- THE TECHNICAL SYSTEMS ARE MINIMAL
- THE TECHNICAL SYSTEMS NEED RENOVATION

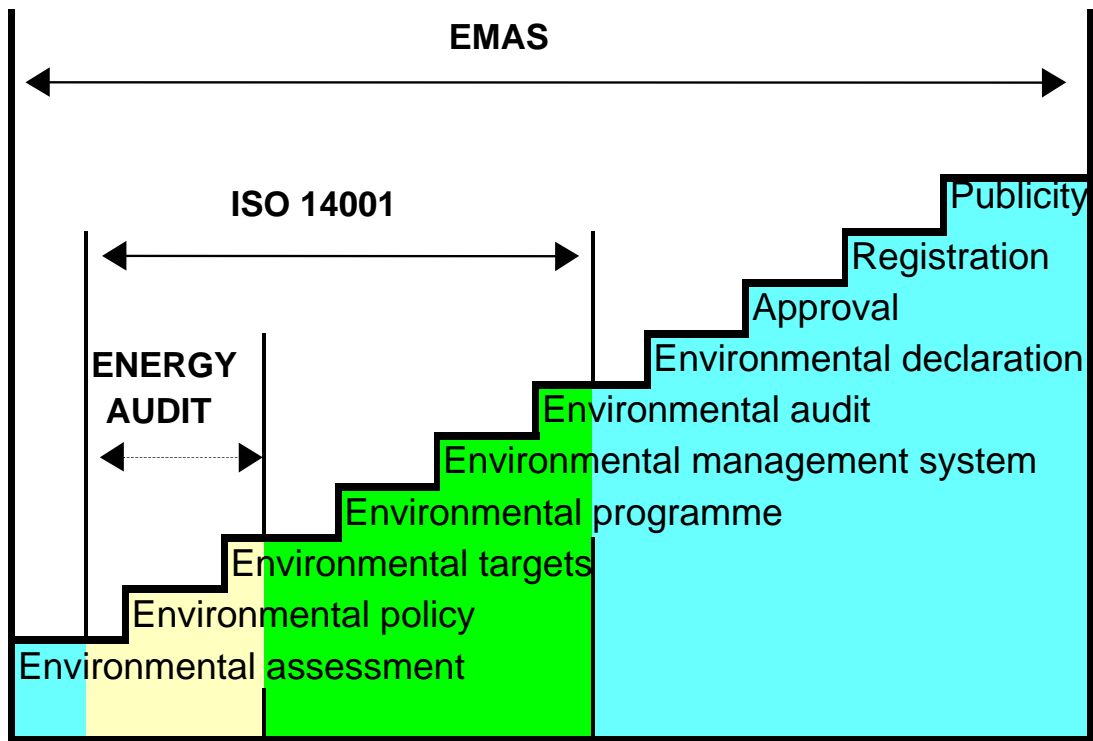
A CONDITION ASSESSMENT MAY NOT BE USEFUL IF

- THE SITE IS NEW
- THE TECHNICAL SYSTEMS NEED RENOVATION

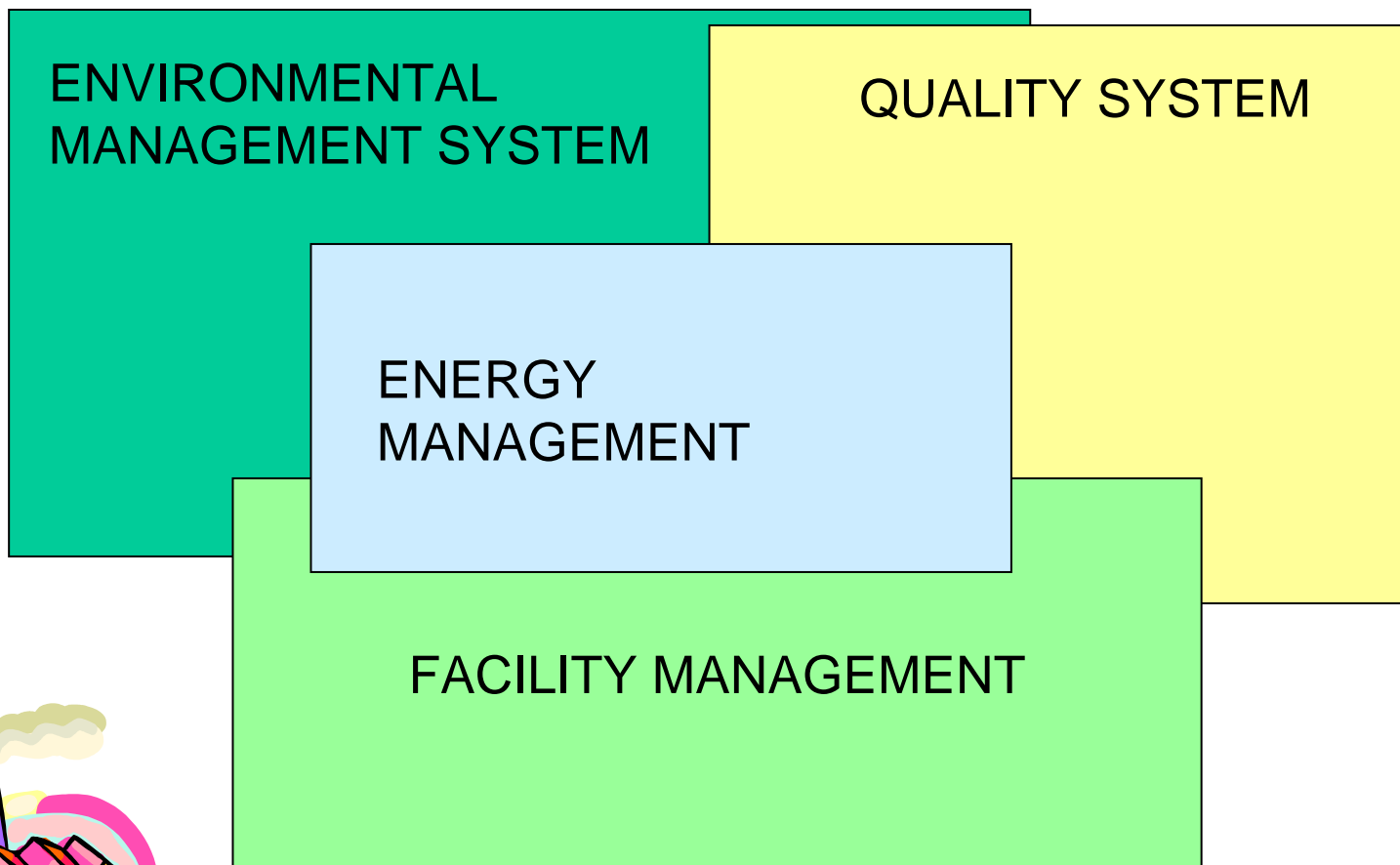
Phases of energy management

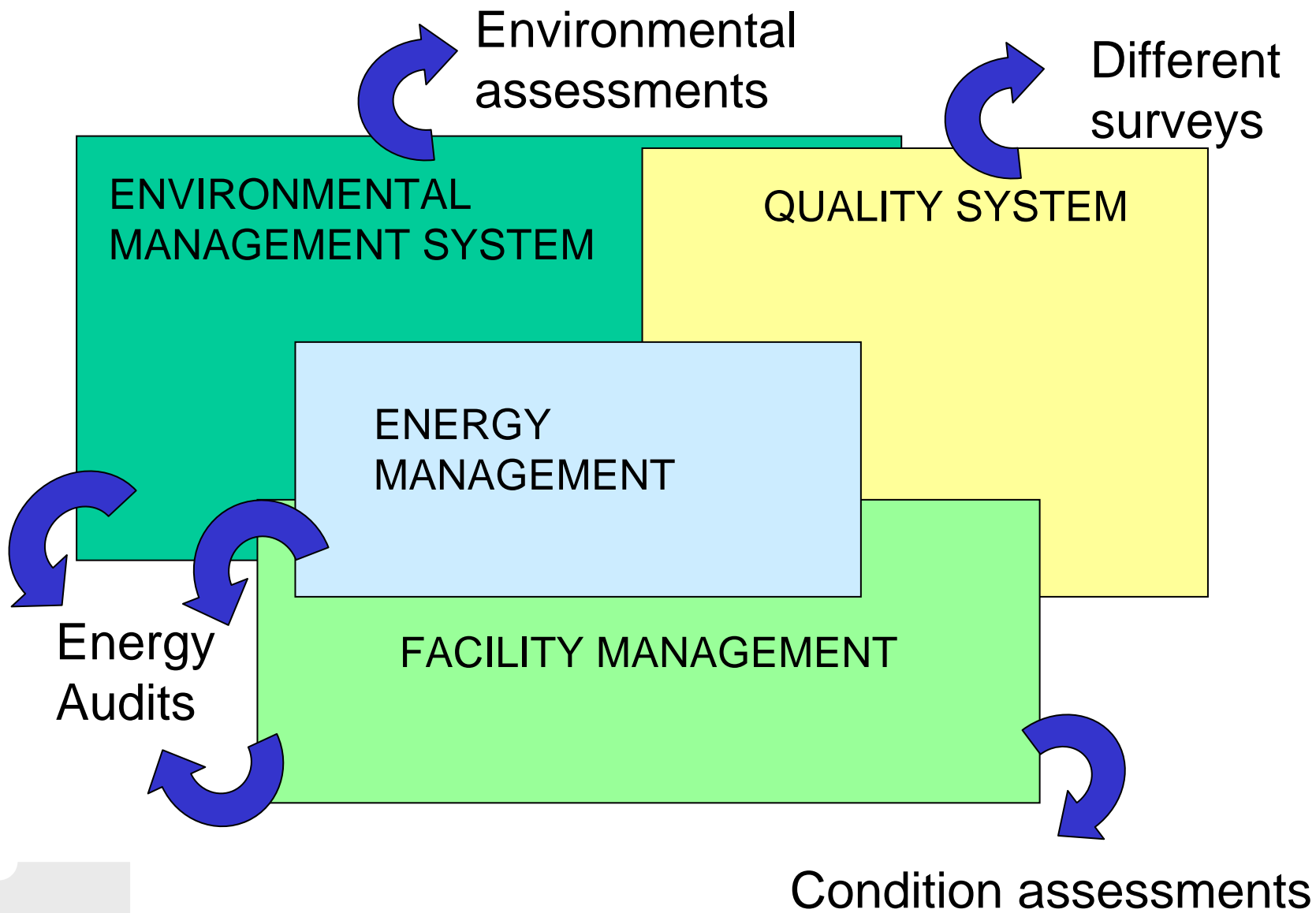


Steps of environmental management

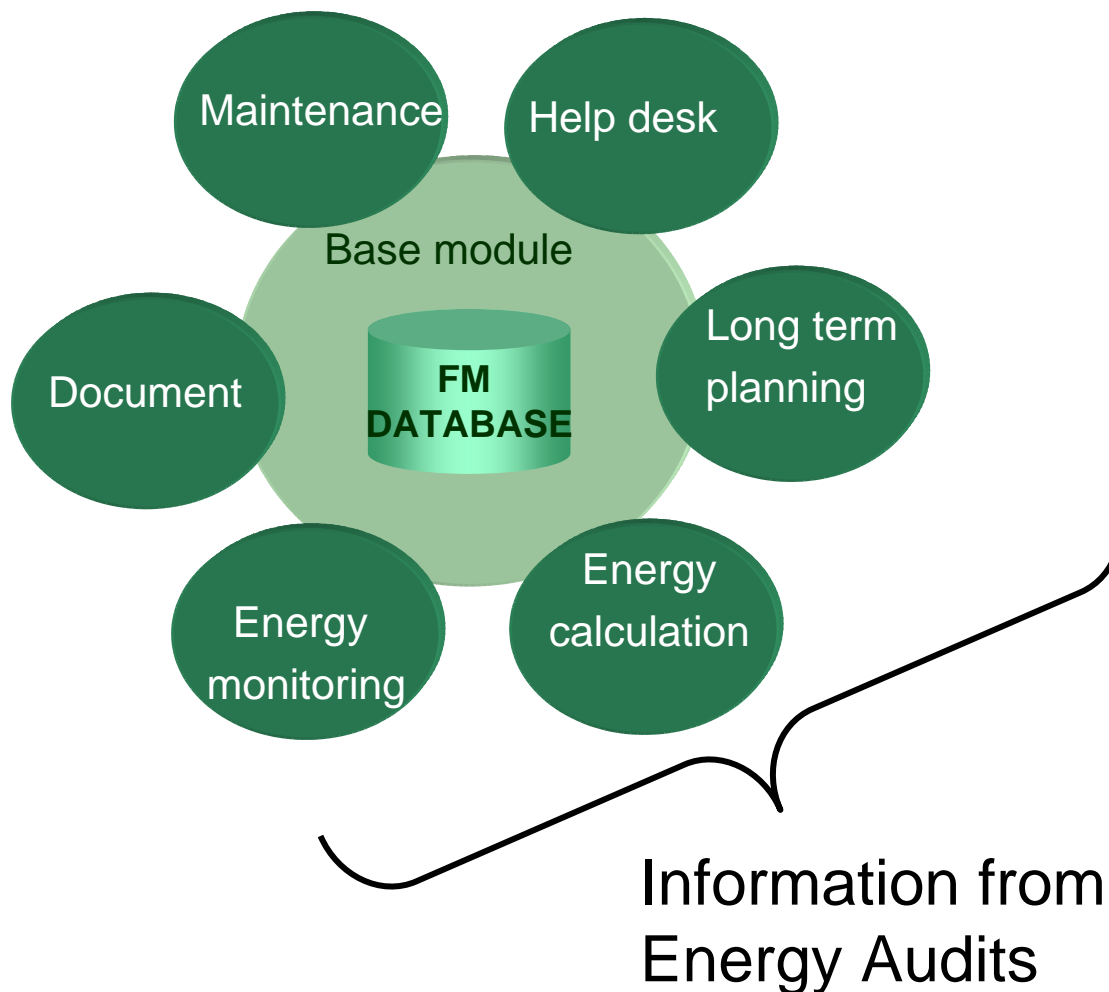


Different interests overlap





Facility management system



Energy purchase optimisation

Step 1: Market survey of the present situation

May be a part in an energy audit

- Analysing the current status of the client's power demand and purchase contract (when, how much and to which price, cost profile, load profile).
- Dividing the costs to those of distribution charges (local, public, tariffs; limited market) and energy sales (free market).
- Estimation of savings by measures of changing tariffs.
- Estimation of savings by measures of changing resellers (comparing the present price to the market price).

Step 2: Sales contract tendering process

Contract tenders are asked for the selected reseller candidates. Each candidate will receive information about the load profile, upon which the energy suppliers make tenders. The tenders are analysed and compared based on the load profile.