

Anläggning 2

Drift och underhåll av VA-anläggningar

Objectivs of maintenance
and
costs of maintenance



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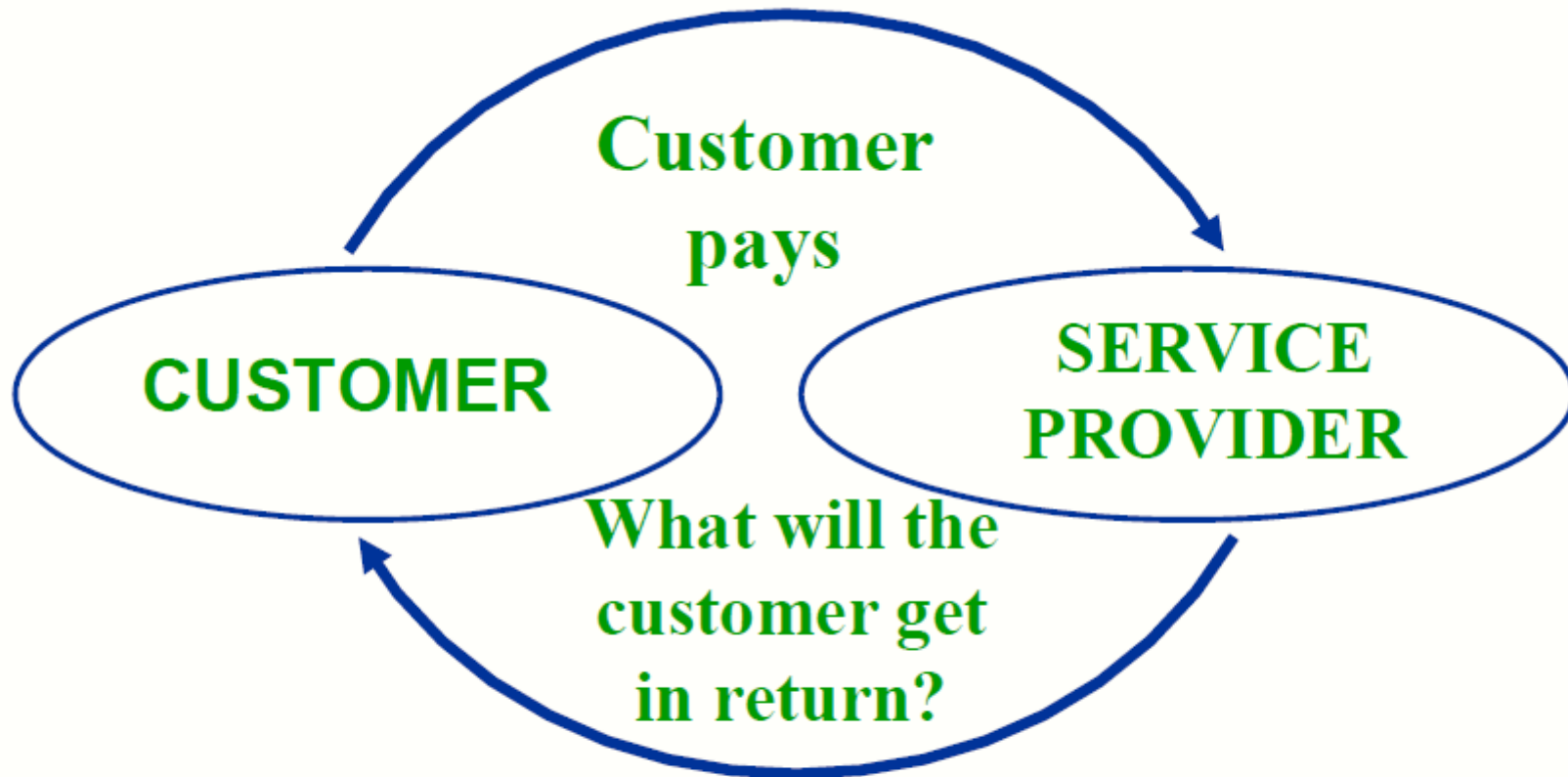
The objective of all businesses is to:

Create a value which is
higher than the cost of the
created value!!



What value is created by maintenance?



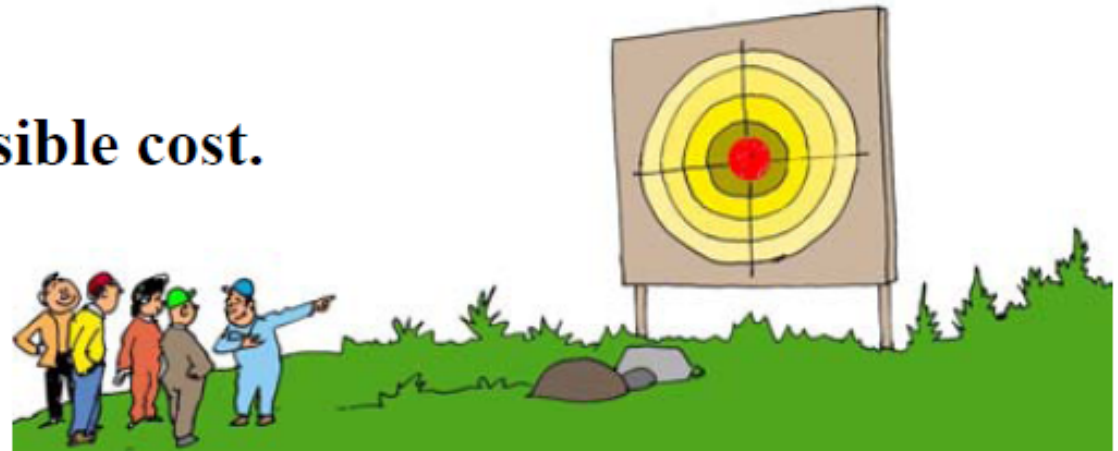


**AVAILABILITY
PERFORMANCE**

The objectives of maintenance

1 Keep up planned technical availability performance, equipment effectiveness and technical lifetime.

2 At the lowest possible cost.



Above all:

Within the safety prescriptions



**The customers give
the income**



Maintenance costs money

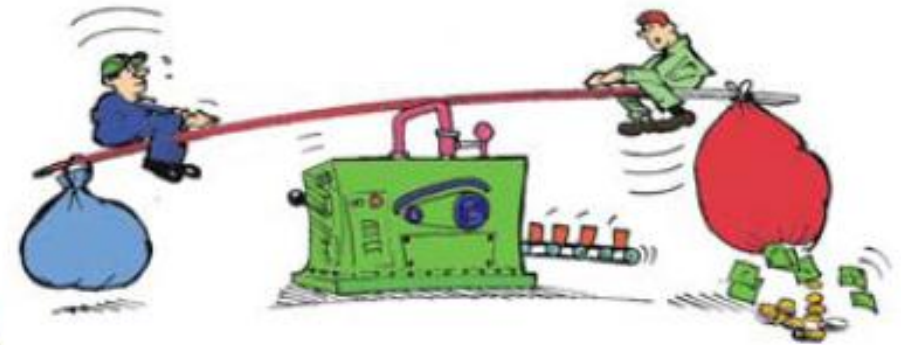


but.....

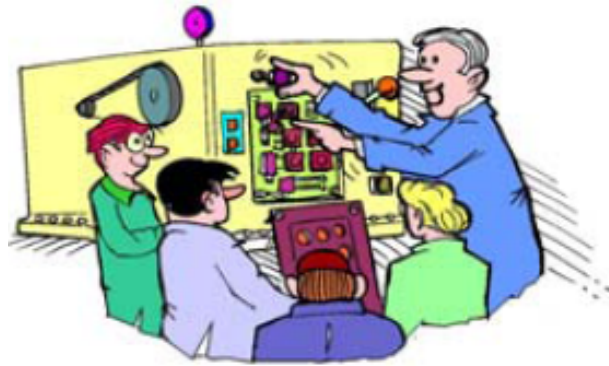


**Maintenance which is not
carried out, will cost
even more money !!!!**





In common we maintenance managers/engineers are....



Good in techniques

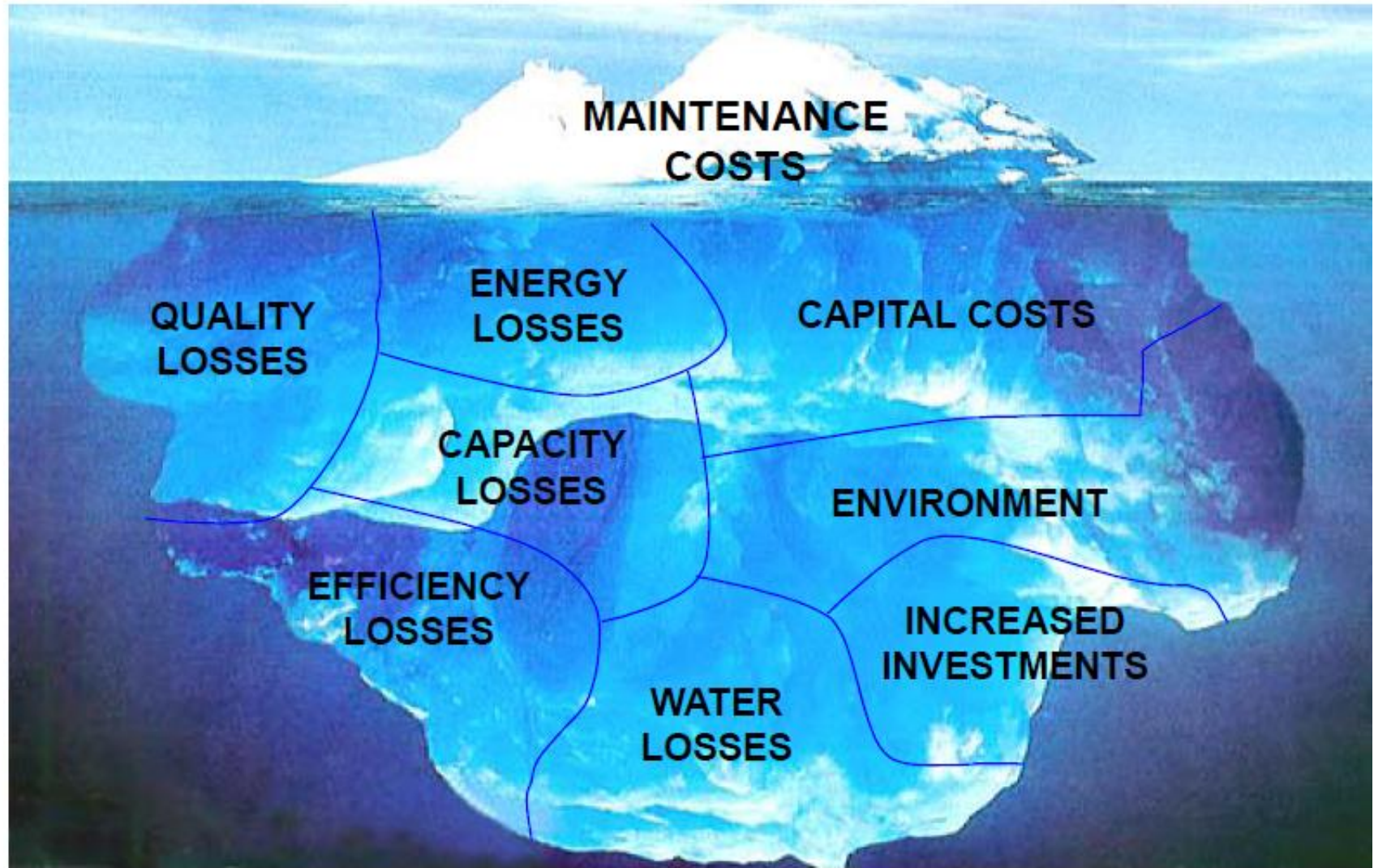


Not so good administrators



And bad economists

The hidden possibility



Indirect and direct maintenance cost

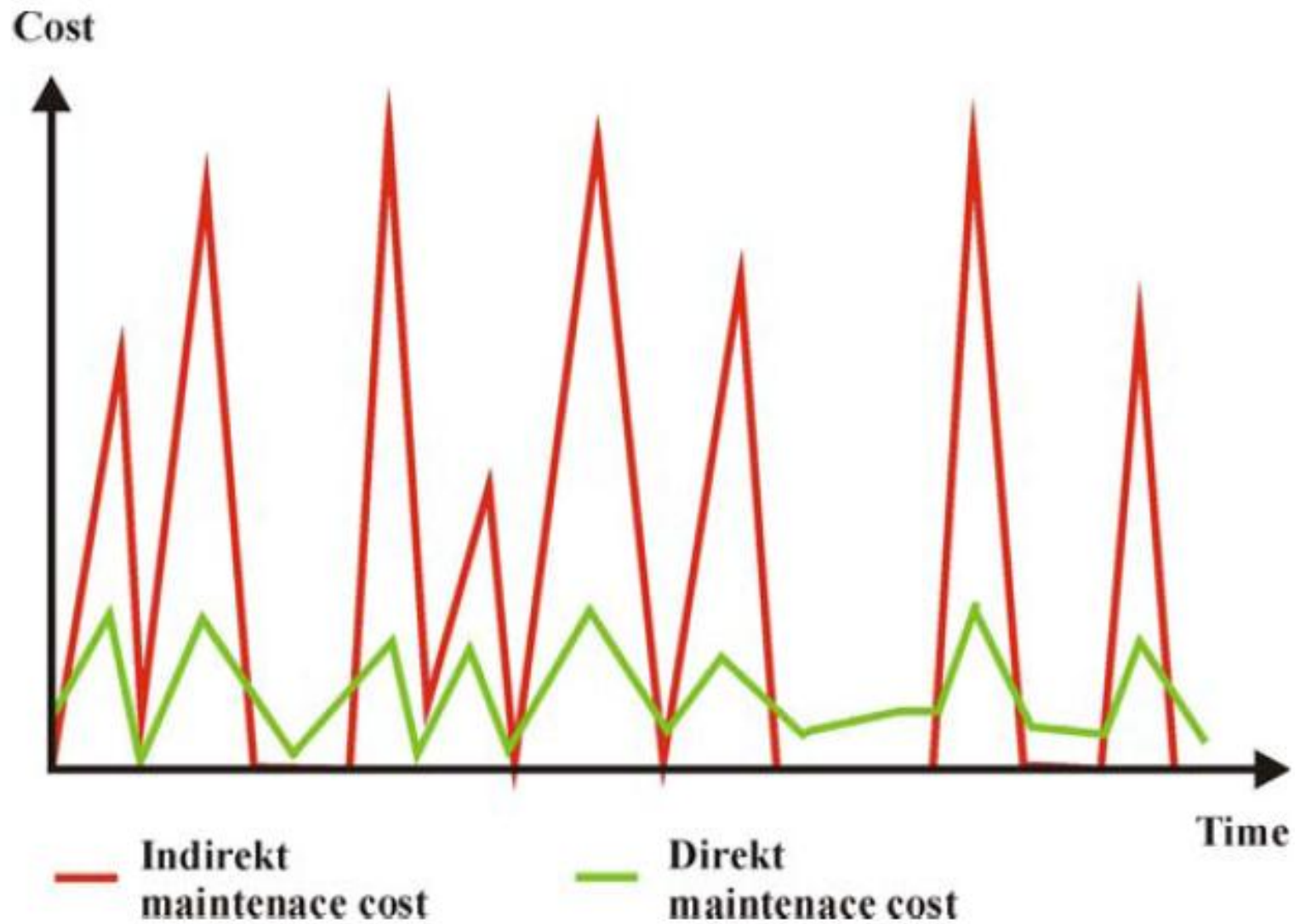
Direct maintenance costs:

- Wages and salaries
- Material costs
- Administration costs
- Costs for training
- Spare part costs
- Contracted work forces
- Modification costs

Indirect maintenance costs:

- Loss of revenue or other losses as a result of maintenance.





High direct maintenance cost often indicates high indirect maintenance cost



SLUT