

Lesson 4:

IGSS Concepts



IGSS

**Interactive Graphical
SCADA System**



Contents of this lesson

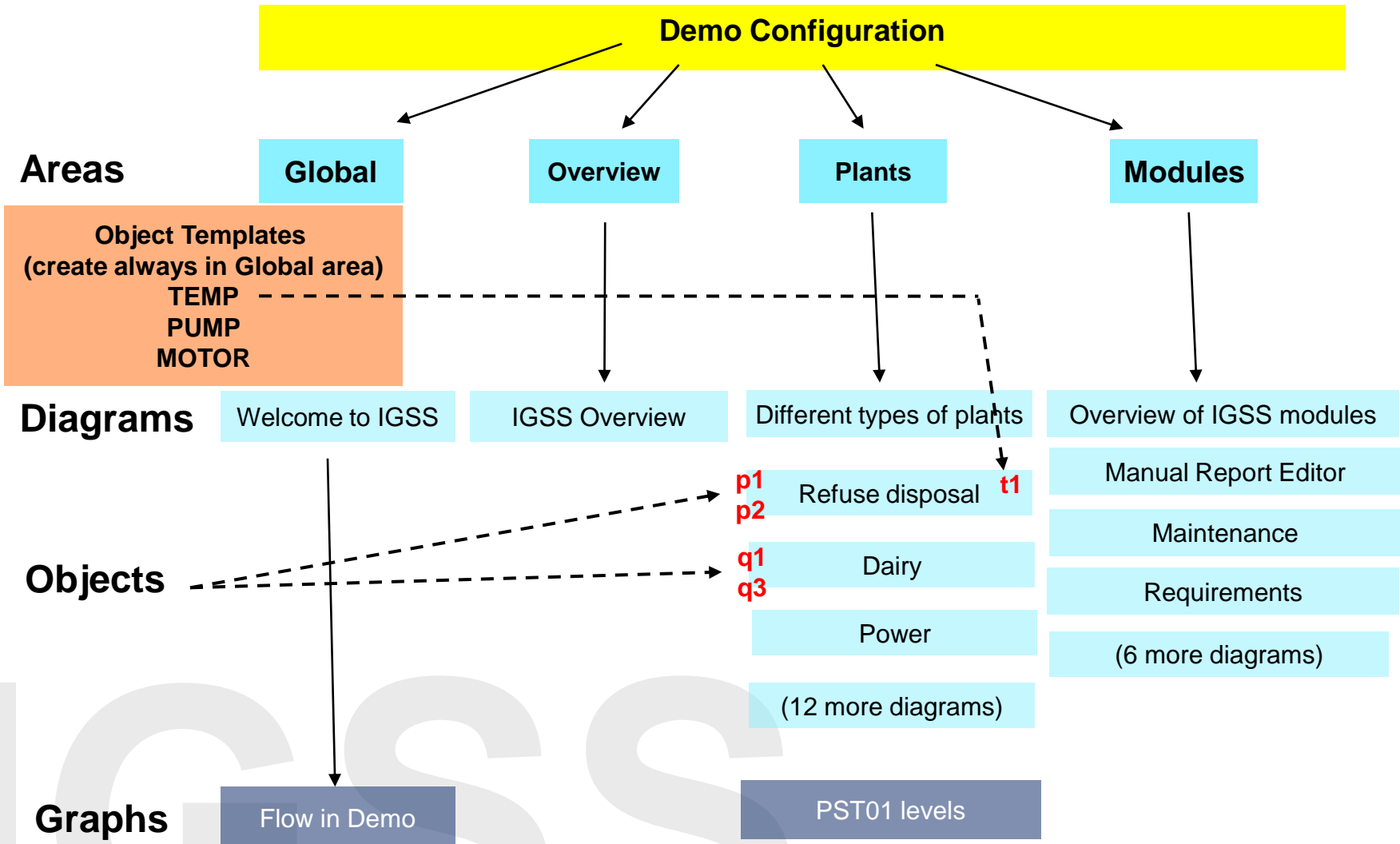


Topics:

- **What is a configuration?**
- **What is an object?**
- **What is an atom?**
- **What is a descriptor?**

IGSS

What is a configuration ?



What is an object in IGSS ?



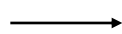
- An object is typically a process component for instance a pump, a valve, etc.
- An object in IGSS consists of two elements
 - The invisible properties (scan interval, logging, etc.)
 - The visible properties – how is the object shown
- All properties are presented in one dialog box
- A way to determine the size of the IGSS system
 - The more objects, the larger the process
 - The customer buys a number of objects

Object types in IGSS



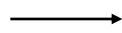
Non-process objects = Container objects

Area



Divides an IGSS configuration into logical parts.
A collection of diagrams, graphs and objects.

Diagram



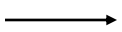
The individual mimic diagrams in the configuration.

Graph



Process states and values in the form of curves.

Group



A collection of objects and descriptors to be treated as one entity. Used for copy/paste and export/import.

Process objects = Process components

Analog

Table

Counter

Digital

String

Scaling

Objects and atoms

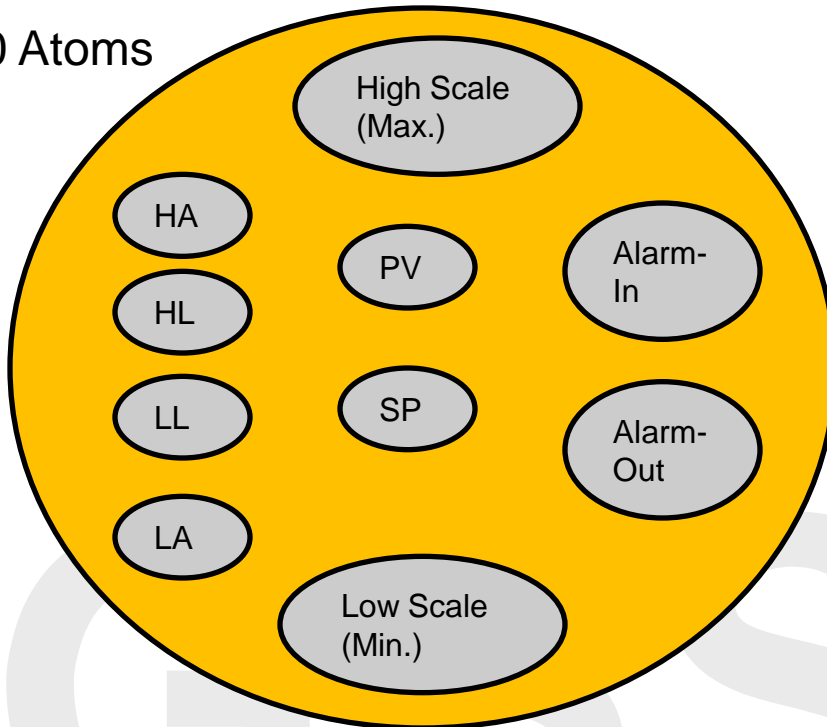


An atom in IGSS corresponds to a tag or an I/O point in other SCADA systems

Analog object

Object = q1 – Flow meter

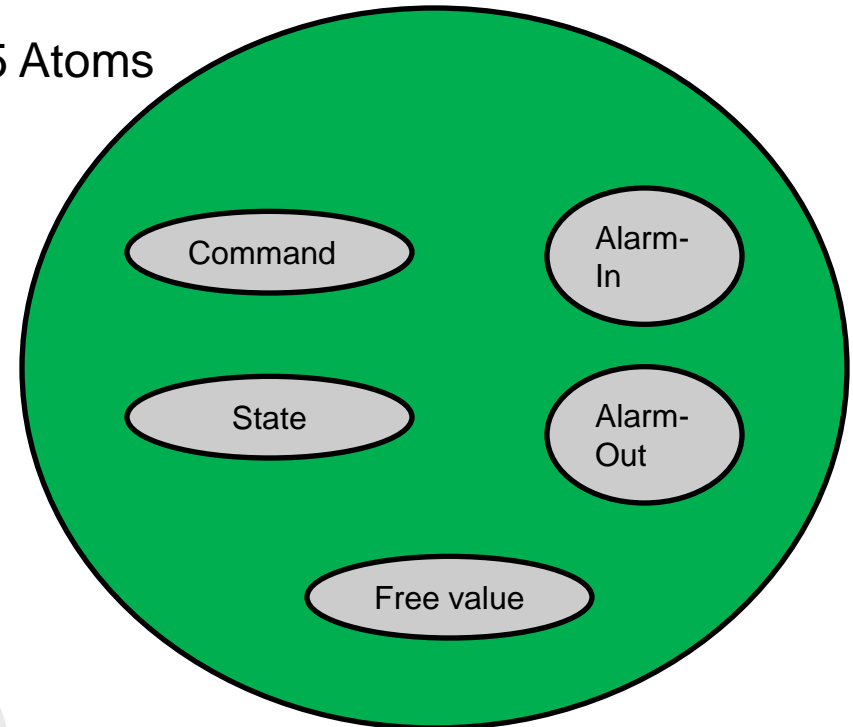
10 Atoms



Digital object

P1 – Pump water out

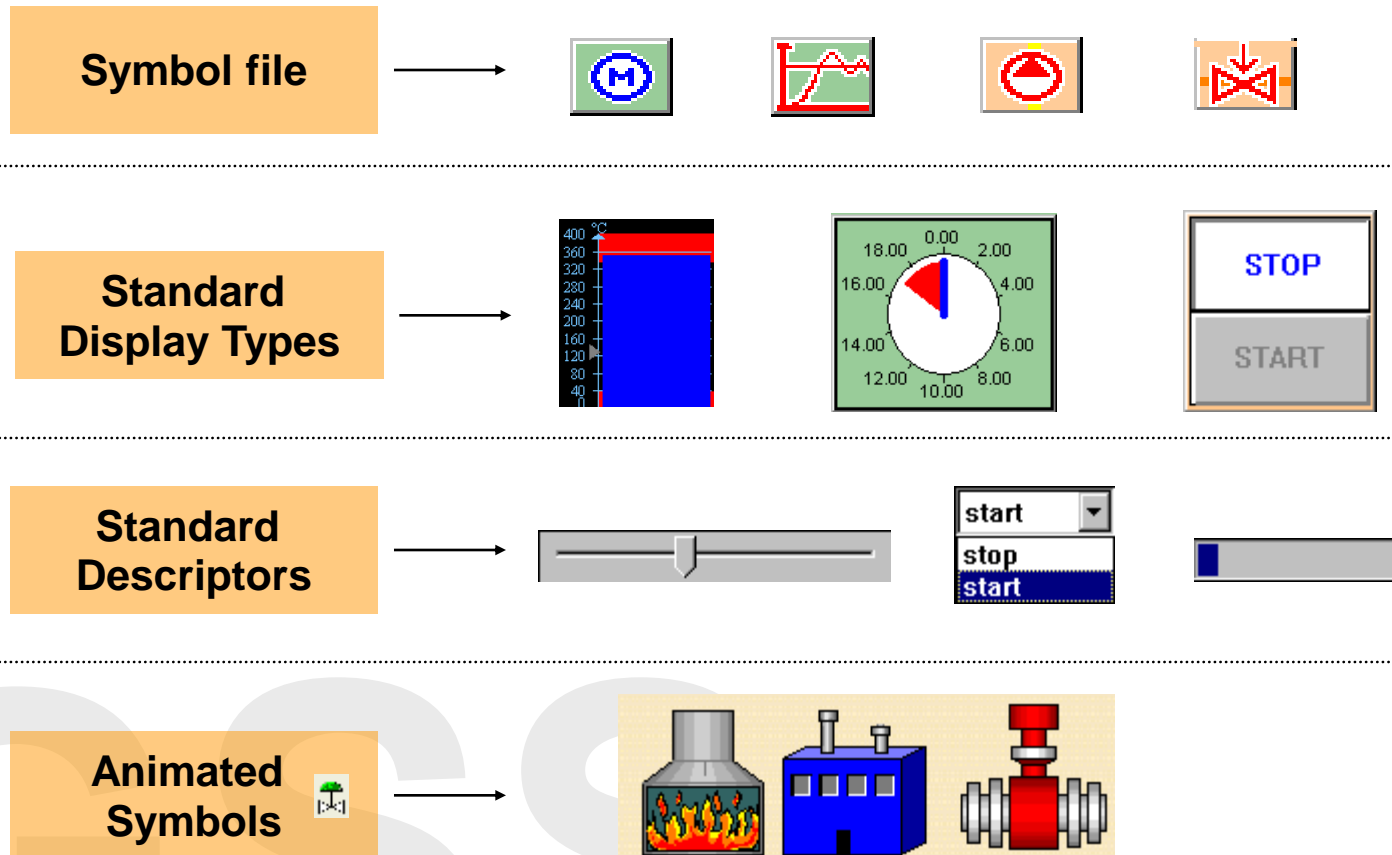
5 Atoms



What is a descriptor ?



A descriptor is a graphical representation of a process component.
You can refer to the same object many times with different descriptors.



More information ...



**Find presentations and
exercises on
www.7t.dk/igss**

IGSS