Securing TANGO Control System:
A brain storming

Sergi Blanch i Torné

Criptografía y Grafos
Departamento de Matemáticas
Universidad de Lleida

September 24th, 2013

Outline

What is an ICS?

What is an SCADA?

What is a Tango?

Optics Lab: Long Term Profiler

A beamline

Control a synchrotron accelerator

Against the transparencies

Against the layers

Security levels

Authentication

Encryption

Database access

Reference Papers

Reference journals and conferences