SCADA security lab/center

Mikael Wedlin

mwe@foi.se

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FOI

National SCADA security lab/center

- Talks about a SCADA lab for a number of years

- Lots of prestudies

- SEMA/MSB has funded the planning of a National Lab for the last three years

- A longer program has started this year.

- Raising awareness / Courses

- Network of technical resources

- Lab resources that is too large for other groups/organisations.

Fun-fair of IT security

- **Have been demonstrating practical IT security for the last 9 years**

- **A modified version focused on SCADA issues**
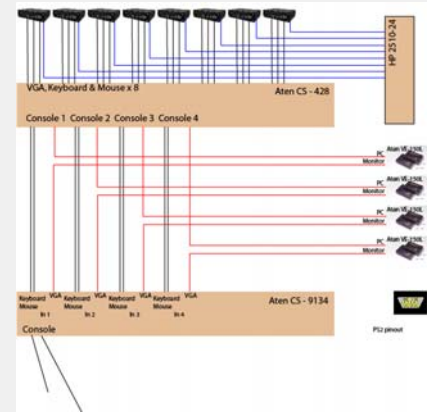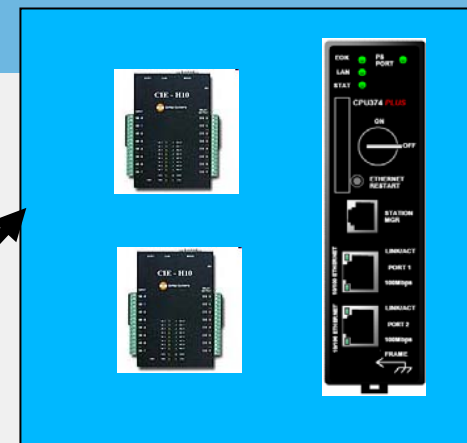
Courses

- Normal courses in electronic security for a number of years

- A focus on practical elements

- The 2-day course is given for the fourth time now

- Lab system of steam engines and exploding factories

Steam engine 1

Transmission

Steam engine 2

Houses

Solar panel

Industry

Infrastructure

FOI
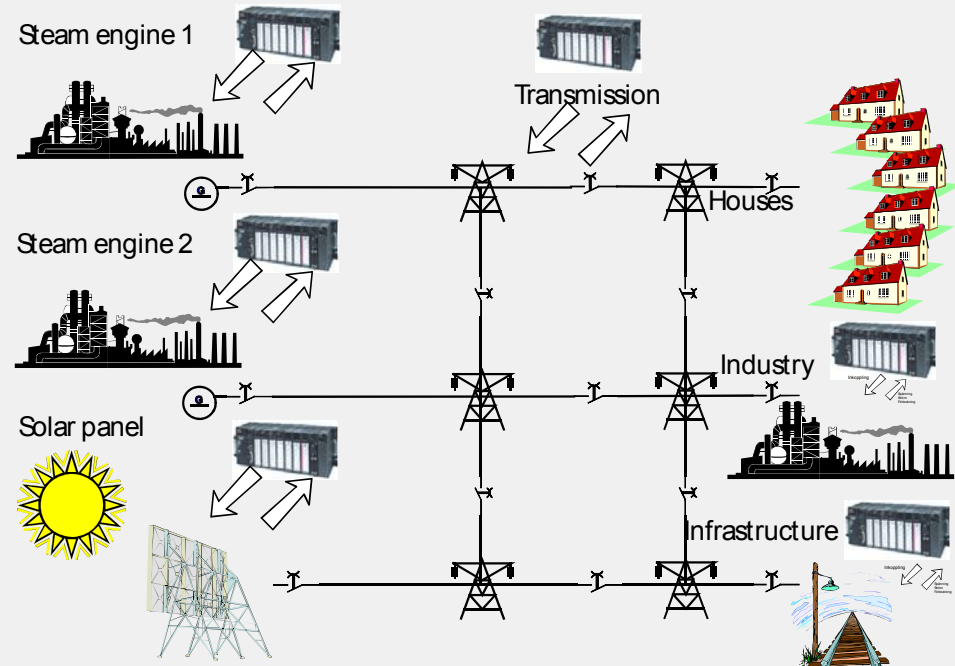
Lab resources

- FOI Linköping lab has started 1999.

- Main asset today is a cluster of 180 PC-nodes

- Every PC-node can emulate 200 virtual noders

- Two separate networks one admin and one "gamenet"

FOI

Baltic cyber shield (CDX II)

- Collaboration between Sweden and Estonia

  - National Defence College, Stockholm and Cooperative Cyber Defence Centre of Excellence (CCD CoE), Tallinn

- Swedish part funded by MSB

- All technical stuff at FOI in Linköping

- Second exercise with this setup

- Held in Linköping, Stockholm and Tallinn May 10-12 2010

FOI

Blue Team Systems