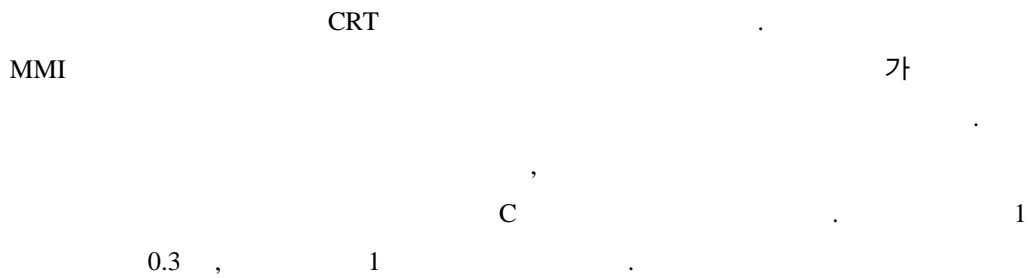


Development of a Prototype for KNGR Main Control Room.

305-380



KNGR main control room is based on compact workstations. During the design a prototype of KNGR MCR has been developed to evaluate new design features with more flexible developing tools rather than commercial MMI tools. Data transfer is achieved with multicasting on the fast Ethernet, and control commands are delivered by remote procedure call. Application programs are coded in a simple language and translated in C language. This prototype shows good response for all plant events. The important parameters and operator's actions can be recorded and analyzed after experimental session.

1. .

MMI
가 . MMI

가 .

가 .

DCS

가

가

가 .

가 .

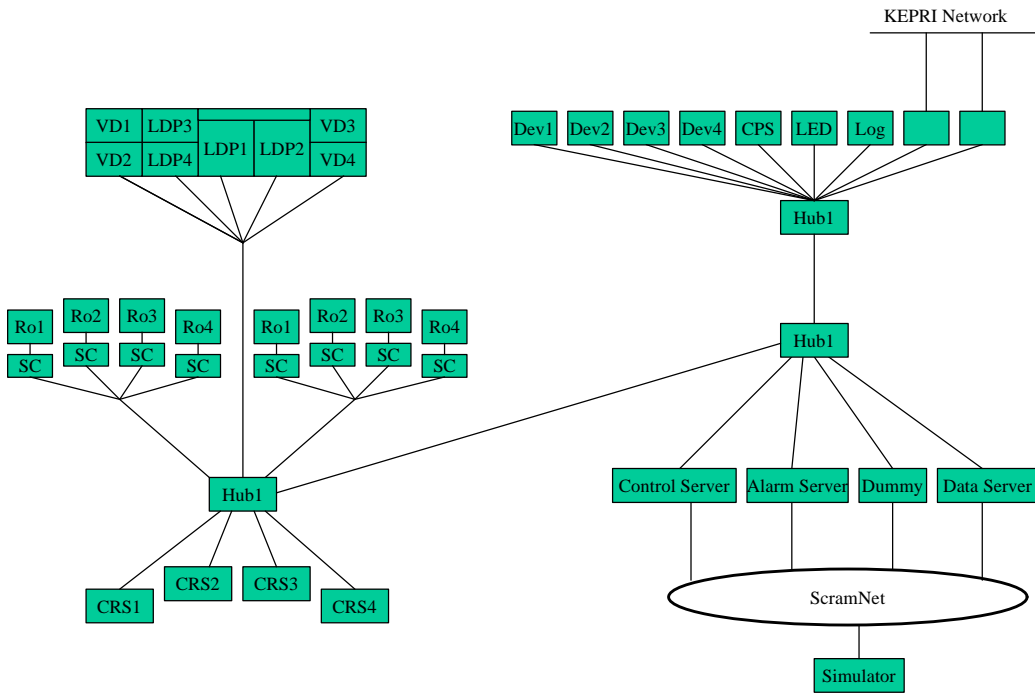
1200

가 .

가

2.

Mockup



1

Mockup

1

가

가

3,4 ScramNet

4HZ ScramNet 1Hz ScramNet

12000 12000 4000

ScramNet ON/OFF 가

가 MMI I&C

MMI MMI

() () ScramNet

가 가

가 가

가 가

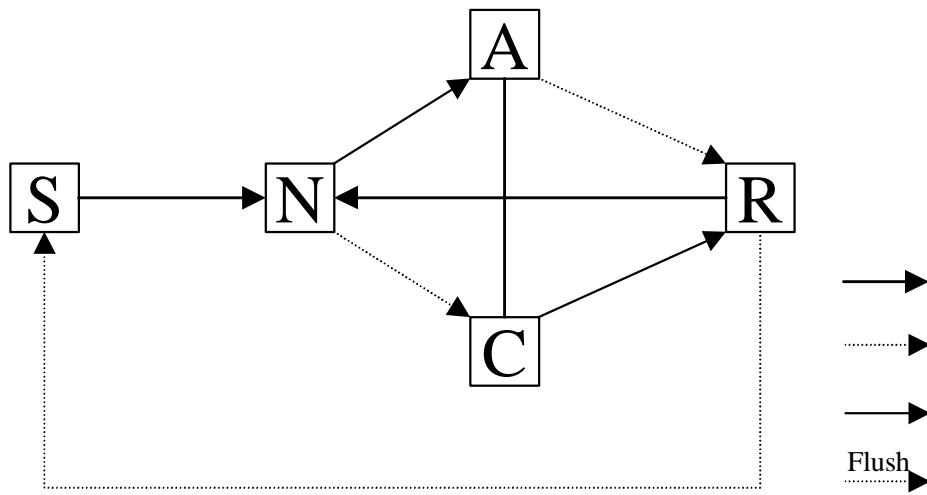
Mockup 가

40K

가 가 가

Flush 2 가

CRT ISA 가



2

가

가

HRP

COAST
COAST
COAST

Coast
COAST 가

가

CFM/SPM

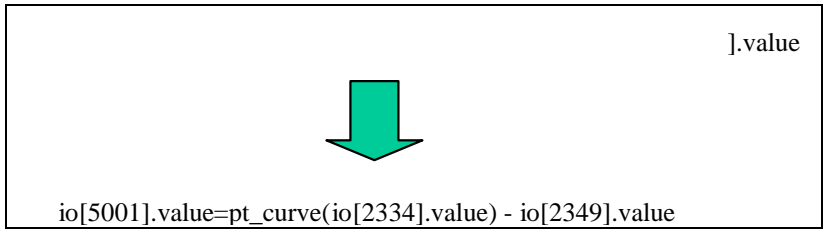
1

가 HRP COASTt COAST
C PreCompiler

가

PreCompiler

3



3 Precompiler

TCP/IP

가

가

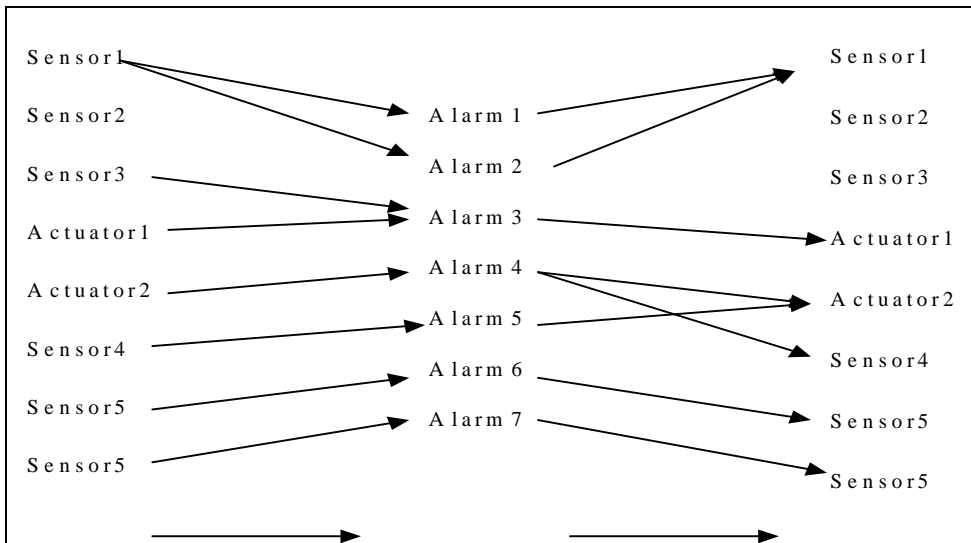
3.

Mockup

가

가

가



4

가

가

가

Mockup

가

가

CRT

가 가

가

가

4.

가

Mockup

HRP

Picasso-3

Mockup

100

가

Mockup

CRT

가 가

CRT, LDP

가

CRT

가

Picasso-3

RO,TO,CRS

CRT,

CRT,

CRT

