Introduction

CERN Safety information Alarm system Monitoring system



January 2000, 3rd ST Workshop

Introduction

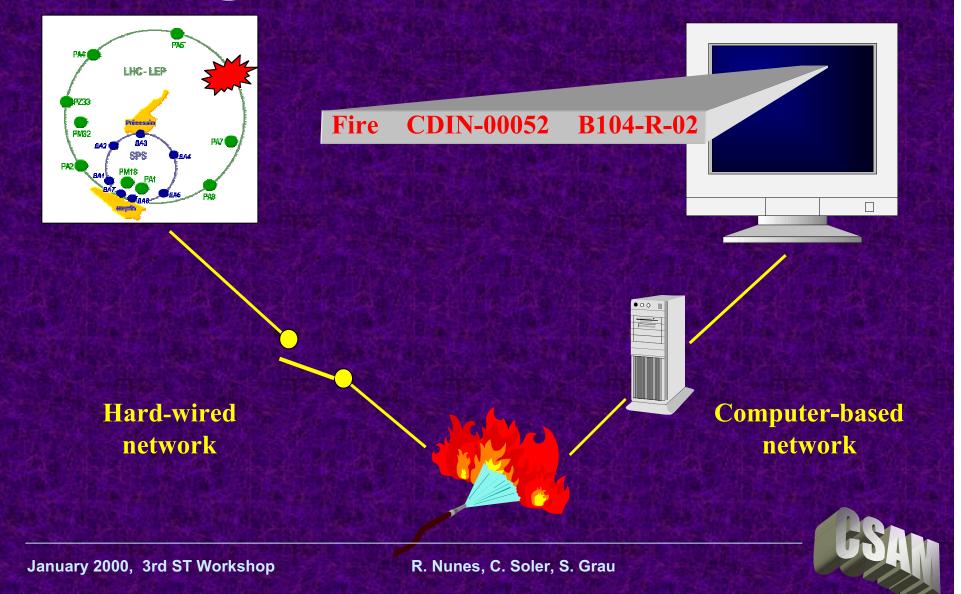
CERN Safety Alarm Monitoring



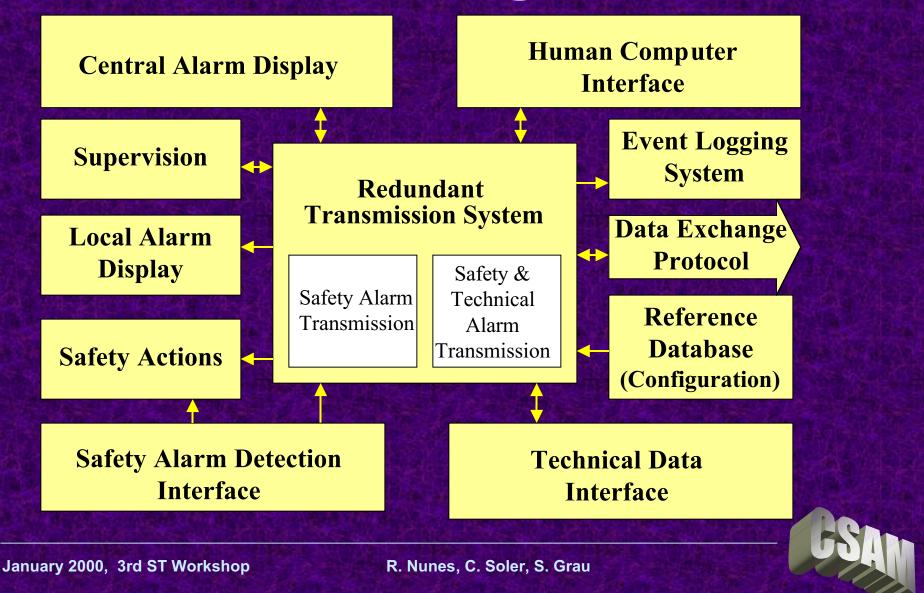


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Background

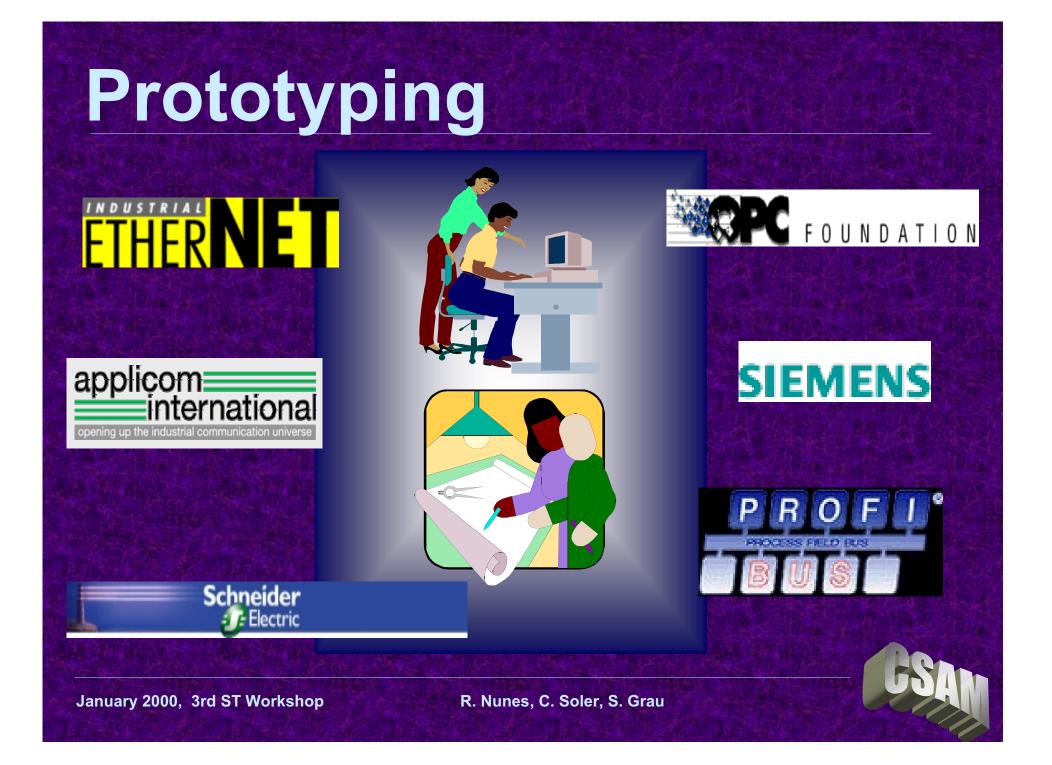


Functional diagram



Commercial aspects Market Survey Technical Specification Invitation to tender CONTRACT

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Standards

International Standards = Systematic approach

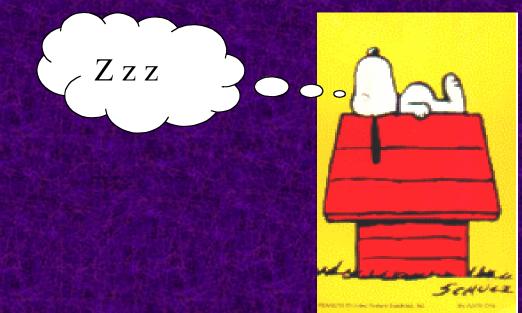




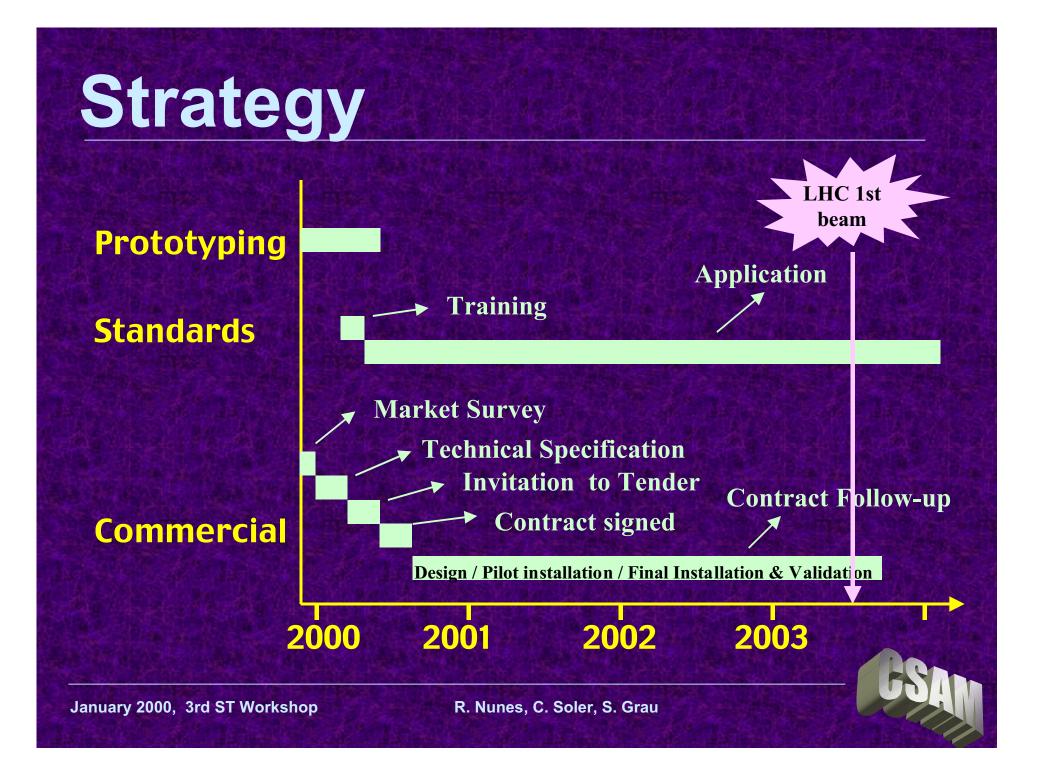
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Standards

Functional Safety = Confidence in your system

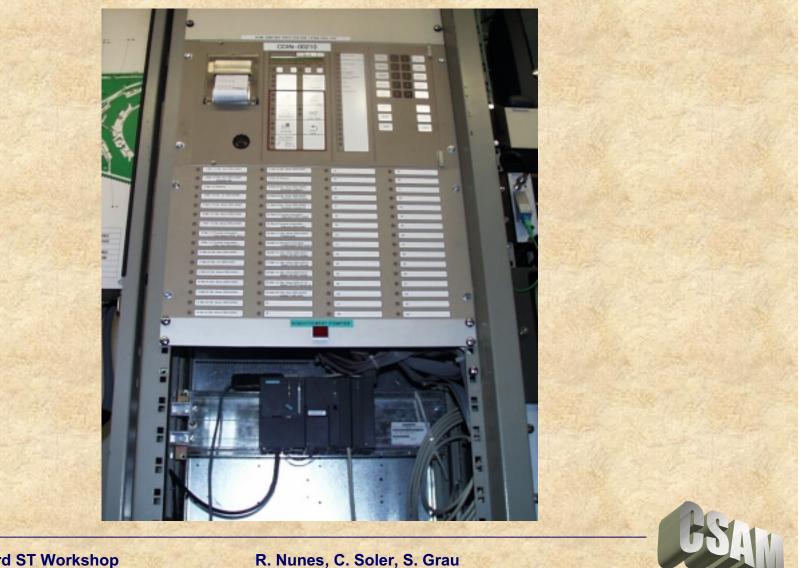


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Current System





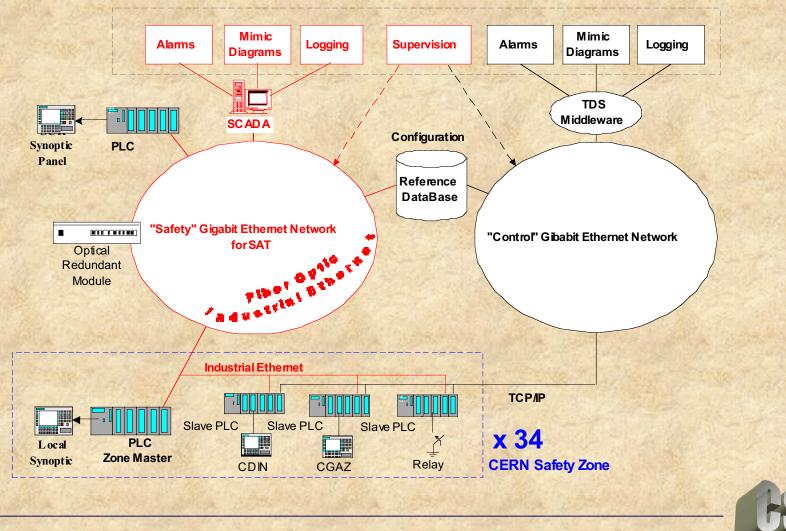
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Current System



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Available from SCR/TCR



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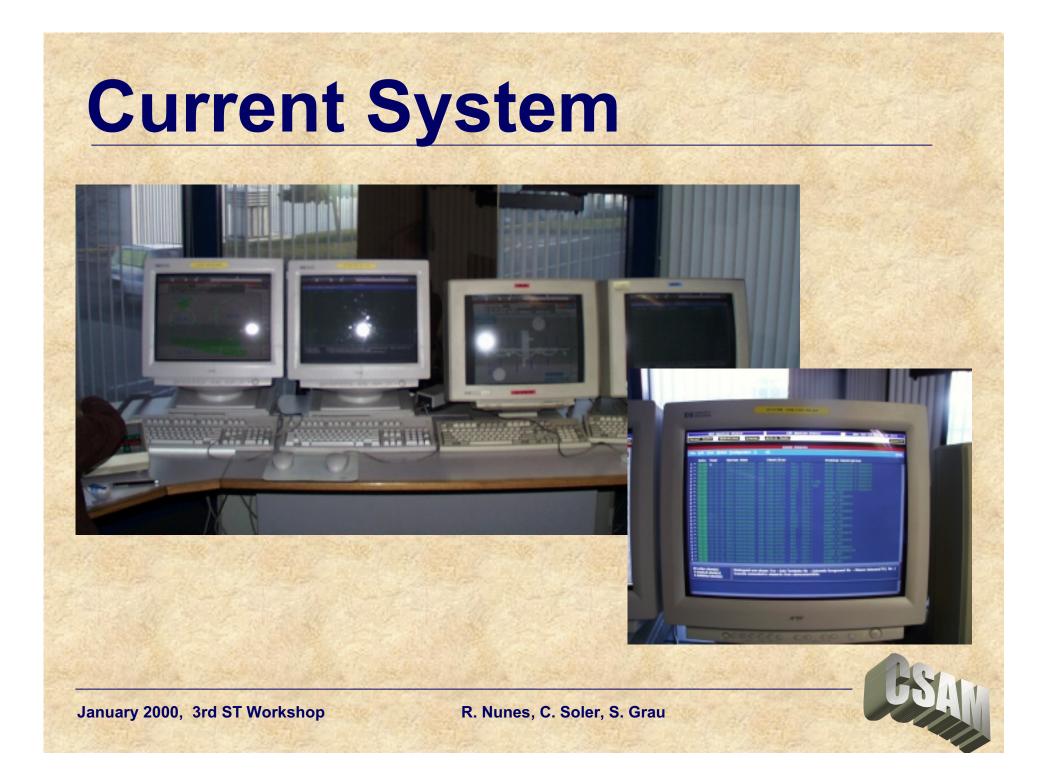
Current System

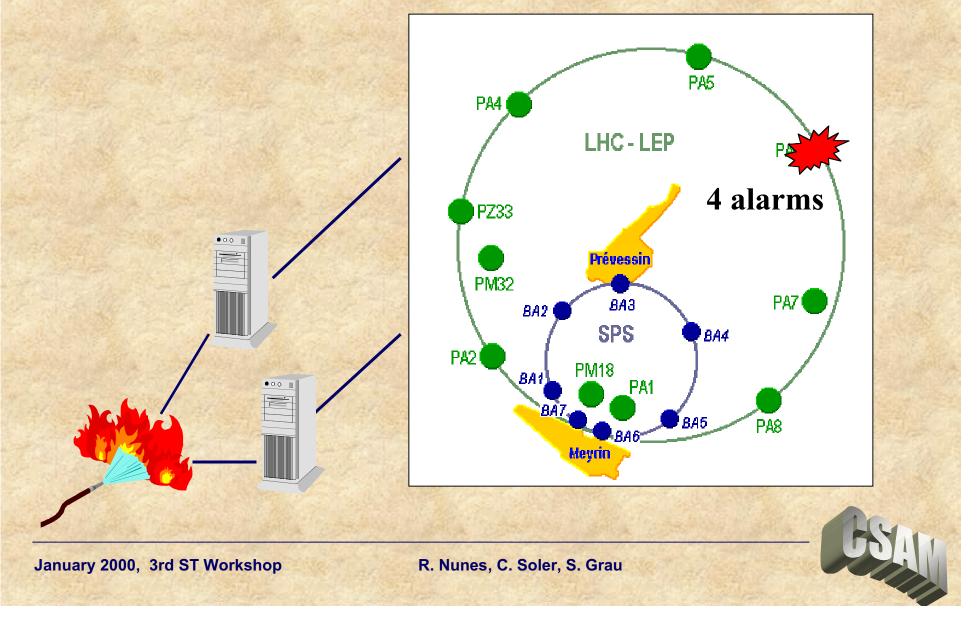


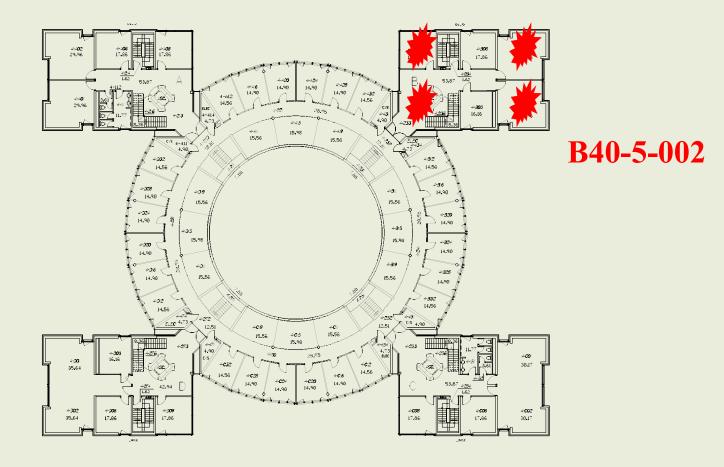
ZONE 19

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CERN Safety Alarm System - Messages display

Fr. 13.05.1999 00:01:20

Time	Type Ide	entifier	Location	Description	Direction
23:11:15	Fire Detector	CDIN-00052	MEY-Z-22-B-0287-R-02	Smoke concentration too high	came
23:11:15	Fire Detector	CDIN-00052	MEY-Z-22-B-0287-R-02	Smoke concentration too high	came
23:11:15	Fire Detector	CDIN-00052	PREV-Z-10-B-0112-R-04	Smoke concentration too high	came
Fr. 12/05/1999					
04:11:15	Fire Detector	CDIN-00052	MEY-Z-22-B-0287-R-02	Smoke concentration too high	came
05:11:16	Fire Detector	CDIN-00052	PREV-Z-10-B-0112-R-04	Smoke concentration too high	came
12:12:45	Lift blockage	AS-0058	MEY-B-0504-	Lift blocked	came
15:16:15	Flooding Det.	INOND-863-E-7	SPS-B-862-R-05	Flooding Detected	came
Selected Message			Al Messages		
Comm	ents Ack		Selection Old I	ist New List Chronicle	Adk Al
			Park Sale	and a second of	
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What has been done?

• User Requirements written

Market Survey out

Prototype operational
Analysis of technical solutions
Applicable standards identified



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What's next?

 User Requirements validated Interface Control Document Safety Requirements Safety Equipment Database Contract Execution Strategy Technical Specification

CSAN

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Additional Information

Paper

Visit the prototype at

Prevessin B-865 R14

• Visit the CSAM Homepage:

http://nicewww.cern.ch/st/mo/CSAM/CSAM.htm



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