

1 WHEN DISASTER STRIKES – INTRO2 OUTLINE

- A few words about CERN
- The CERN Control Centre
- Technical Infrastructure operation
- CERN's electrical distribution
- 29/7/06: 18kV breaker explosion – blackout!
- Where we were at – What really happened
- Safeguards and procedures implemented post 2006
- Future, new crisis management team for events where existing procedures are not applicable

3 CERN4 ALL CONTROL ROOMS SEPERATED5 ALL CONTROL ROOMS IN ONE6 CERN CONTROL CENTER7 3 DIFFERENT SOURCES OF ELECTRICITY8 THE SOURCE OF THE PROBLEM!9 18KV SHORT CIRCUIT10 DIESELS11 WHAT HAPPENED!

Imagine a control room without light, phones or PCs!

Specialists called via private phones collected during the event

Electricians sent to places most likely to have failed

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12 LESSONS LEARNED – EL NETWORK – POWER FOR CCC13 LESSONS LEARNED – EL NETWORK – POWER FOR CCC14 LESSONS LEARNED – PHONES15 LESSONS LEARNED – PHONES16 LESSONS LEARNED - GSM – OTHER PROVIDERS17 LESSONS LEARNED – CHECKLIST18 LESSONS LEARNED – OXYGEN DEFICIENCY HAZARD19 LESSONS LEARNED – CRISIS TEAM20