

# 2008 SAFEX Conference CMMPM Incident

David Price  
29 May 2008

**DYNO**  
Dyno Nobel

Groundbreaking Performance

# Catastrophic Accident in DNA – January 2008

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CMMPM Plant, Dinamita - Durango, Mexico  
10 January, 2008



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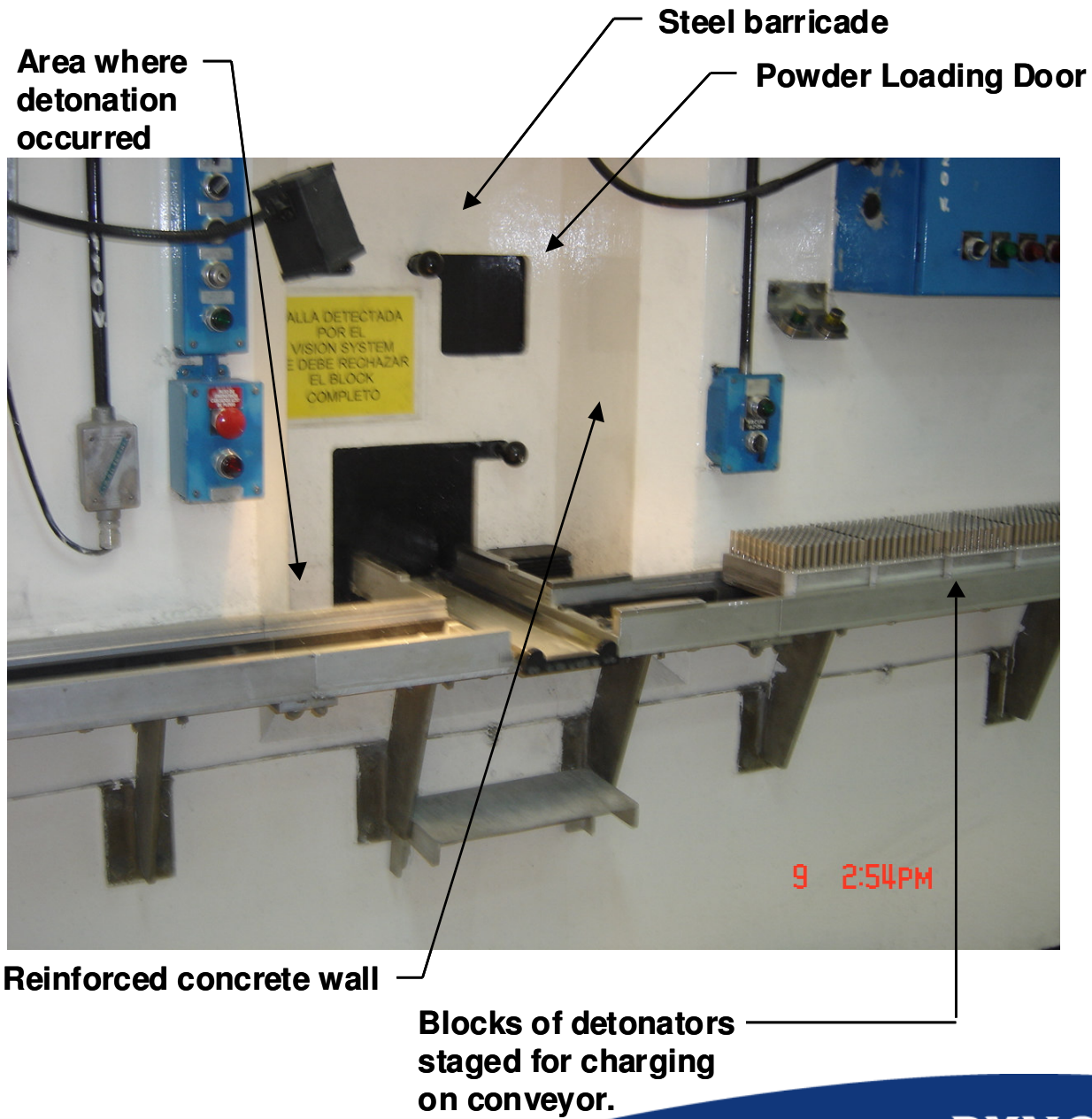
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# DEIS Line



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# Catastrophic Accident in DNA – January 2008

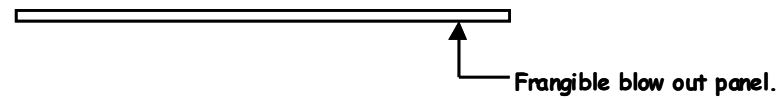
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CMMPM Plant, Dinamita (con't)

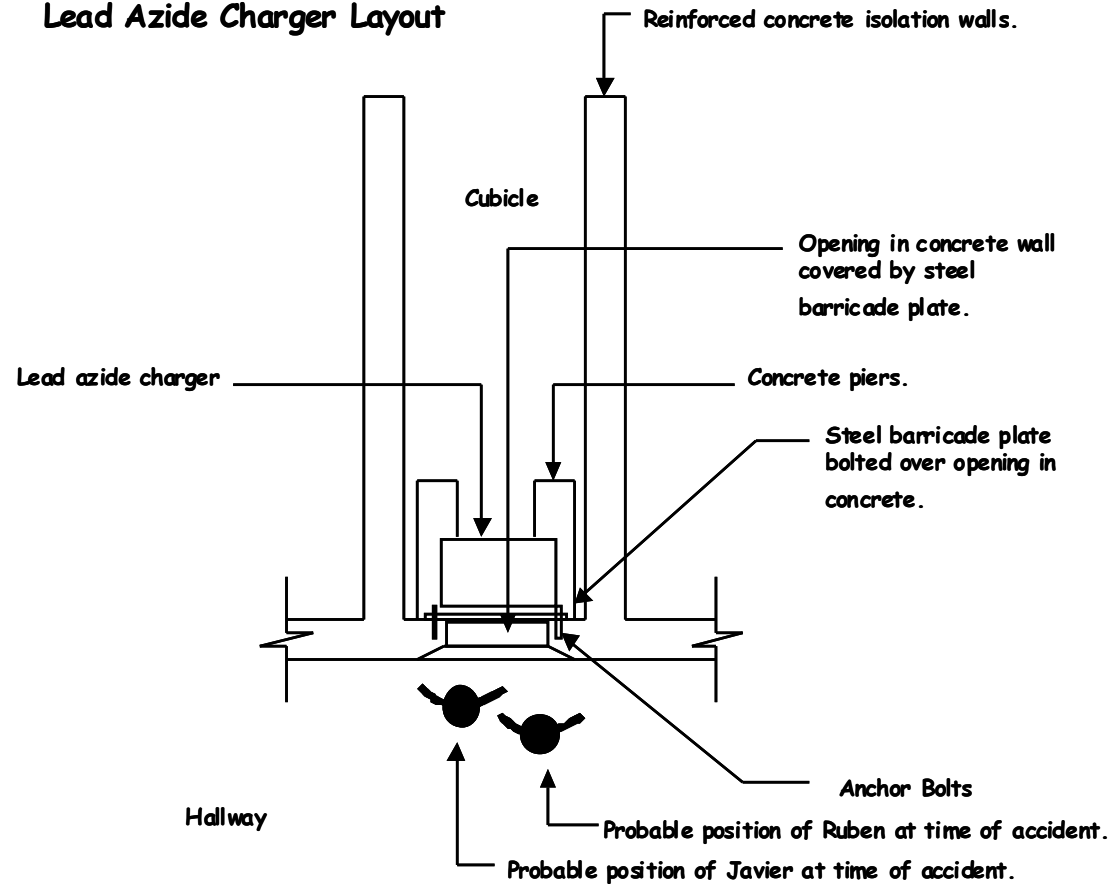


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### Lead Azide Charger Layout



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# SOP for Lead Azide Loading

- Only One operator allowed at the lead azide charging station.
- Notify the upstream PETN press operator to stop production.
- Clear all blocks of detonators from within or outside the lead azide charger.
- Switch on the warning light indicating lead azide is being serviced. Raise the conveyor gate.
- Ensure that the charger cycle is complete and the charger is clear of blocks.
- Walk to the lead azide magazine.
- Secure and carry one leather satchel of lead azide to the charger and place it on the conveyor in front of the charger.
- Open a sliding steel door that allows access to the automatic cup-dumping cradle.
- Remove the rubber cup from the leather satchel and place it on the conveyor.
- Remove the lid from the rubber cup.
- With one hand on the bottom of the cup and one hand around the cup, place the cup in the cup dumper cradle through the access door.
- Remotely dump the lead azide from the cup into the lead azide hopper using the automatic cup dumping controls on the hallway side of the barricade.
- Open the access door, remove the empty rubber cup, and service the empty cup to the cup wash area and the leather satchel back to the lead azide magazine.
- Lower the gate, turn off the light, and resume production

# Catastrophic Accident in DNA – January 2008

CMMPM Plant, Dinamita (con't)



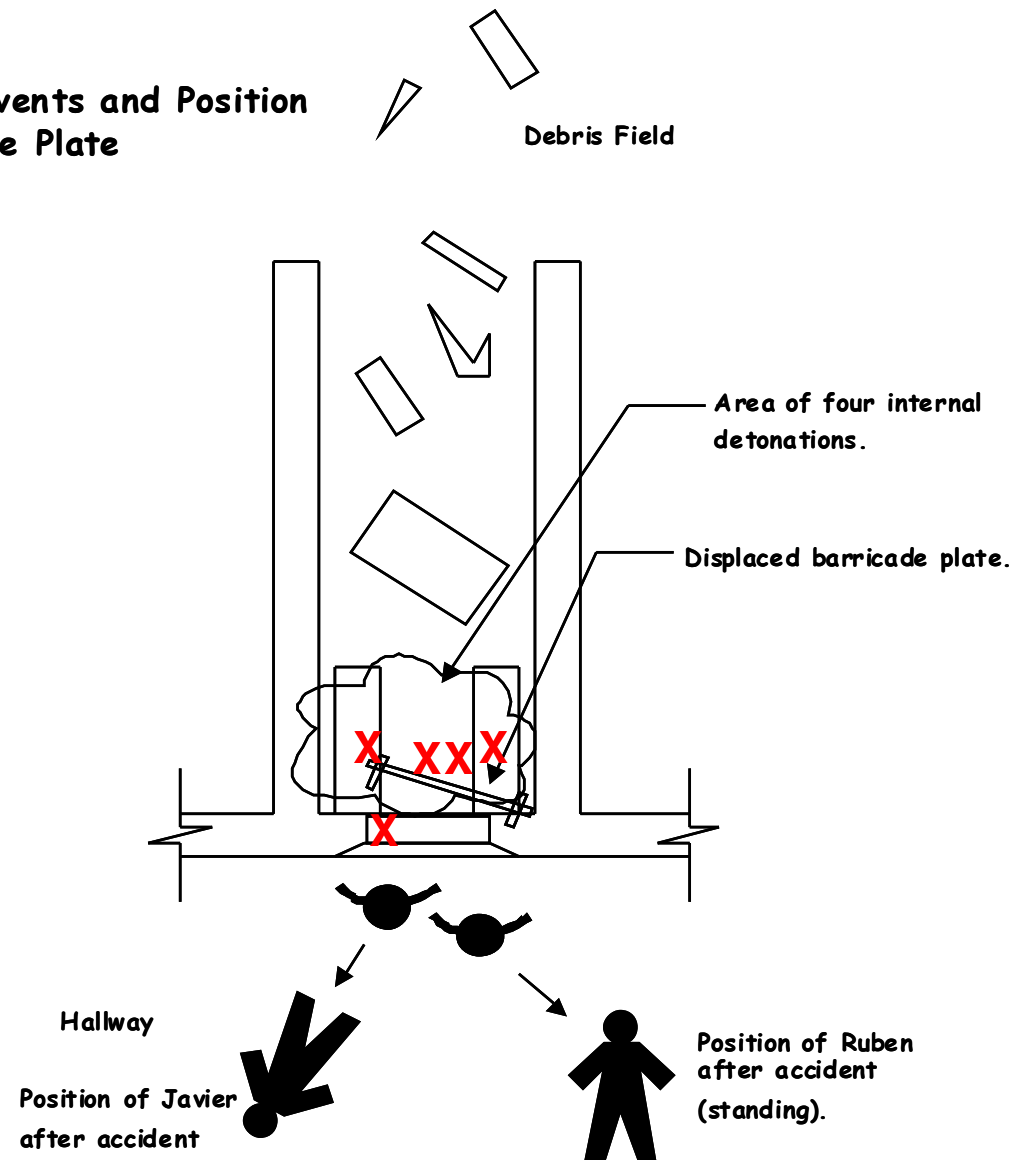
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# Safety is up to Me!

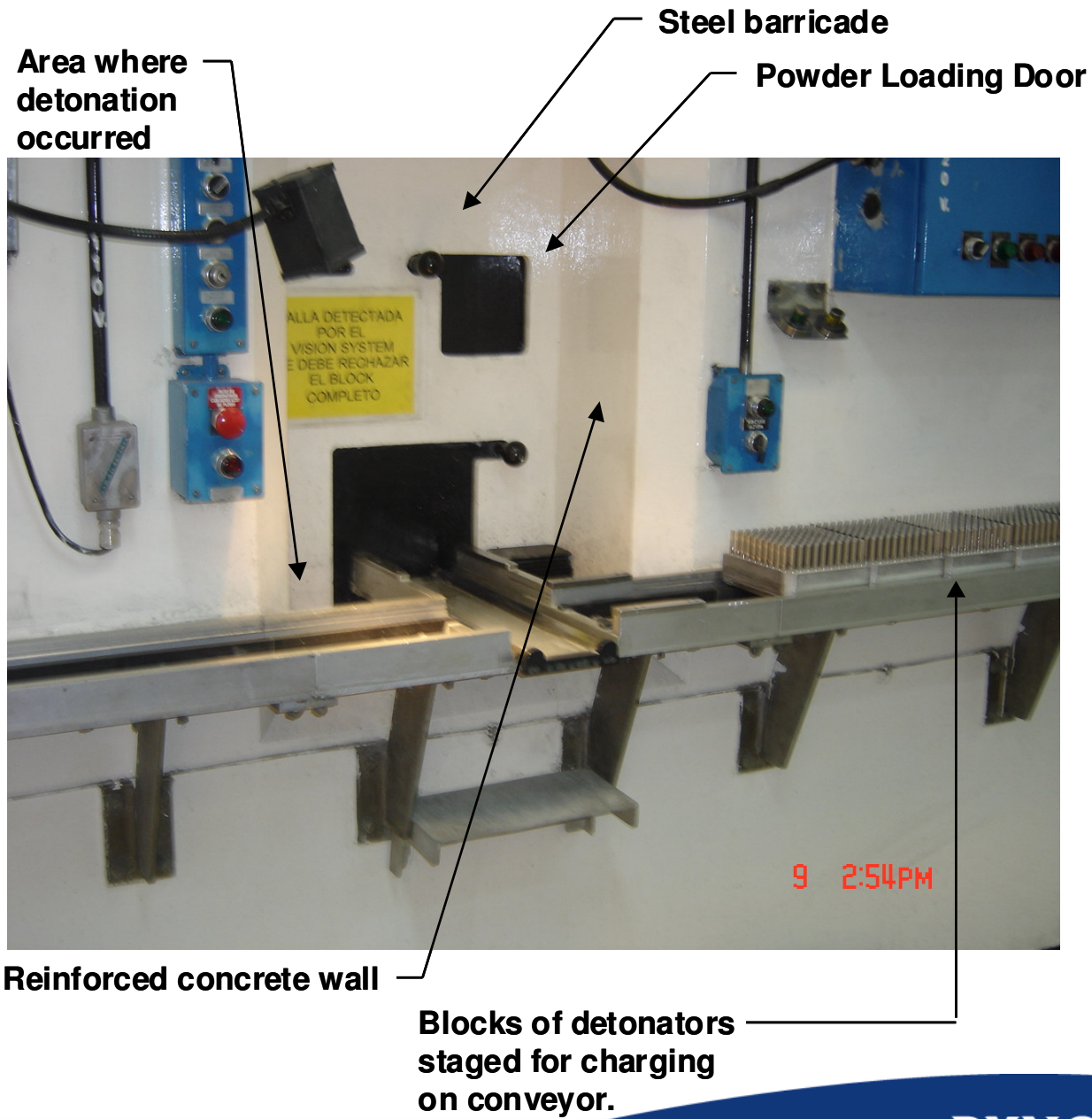
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## Explosive Events and Position of Barricade Plate



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**Hallway explosion  
occurred in this area,  
on opposite side of  
barrier.**



**Impact crater from  
detonation of charger  
equipment indicating  
sequence of  
detonation events.**

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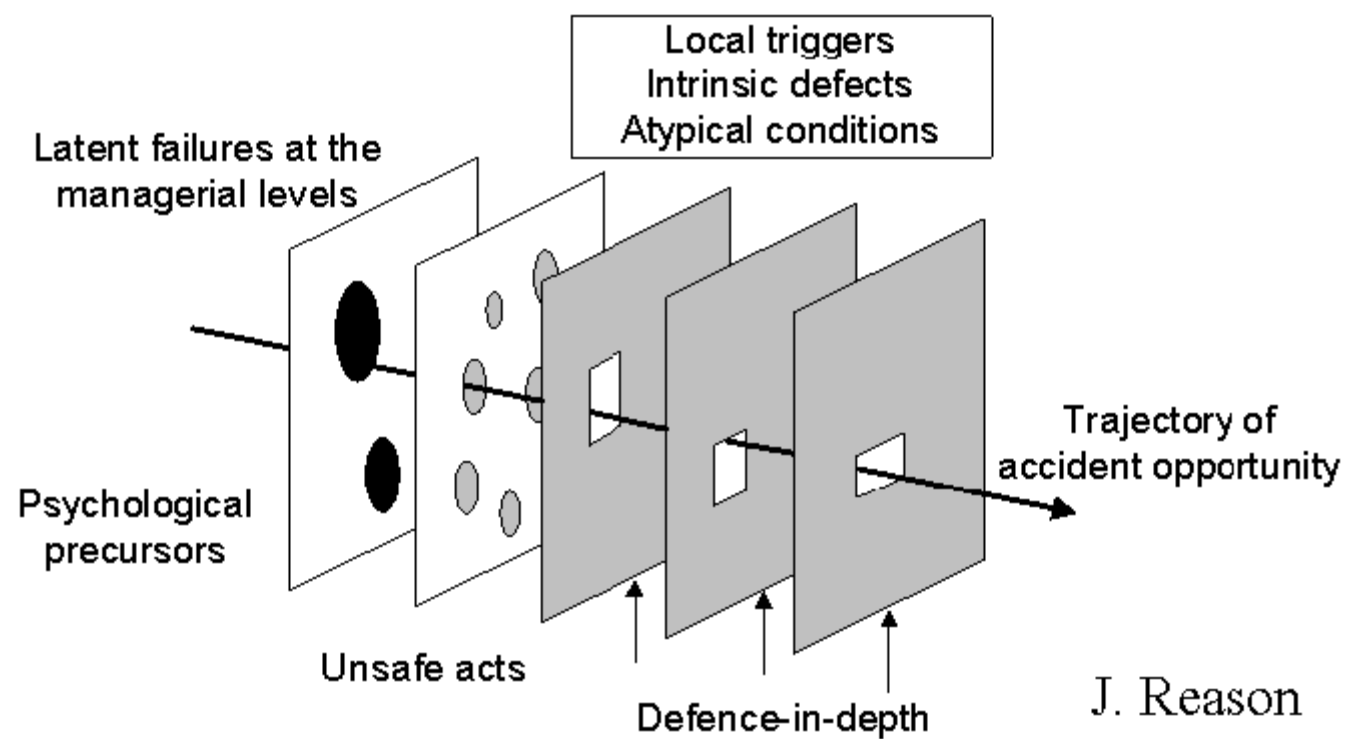


Area where  
detonation  
occurred



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