Medium Voltage Powerline

BPL Injector

BPL Repeater

BPL Extractor

Fiber

Internet

Distribution Transformer

Broadband over Power Line

Low Voltage

TECH N TOAST
Neeraj Kumar

Subscriber's In-House BPL Modem + PC

What does this have to do with software?

Lessons we can learn in failure engineering.

⚡ ## It's a modular system

Industry-shared common APIs

⚡ ## It's a distributed system

Time synchronization, leader election, back-pressure

⚡ ## It's a critical system

Graceful degradation (load-shedding), split brain recovery, staggered restarts

⚡ ## It's a human system

Human communication, border politics, circular dependencies