Fierce Emergency Management

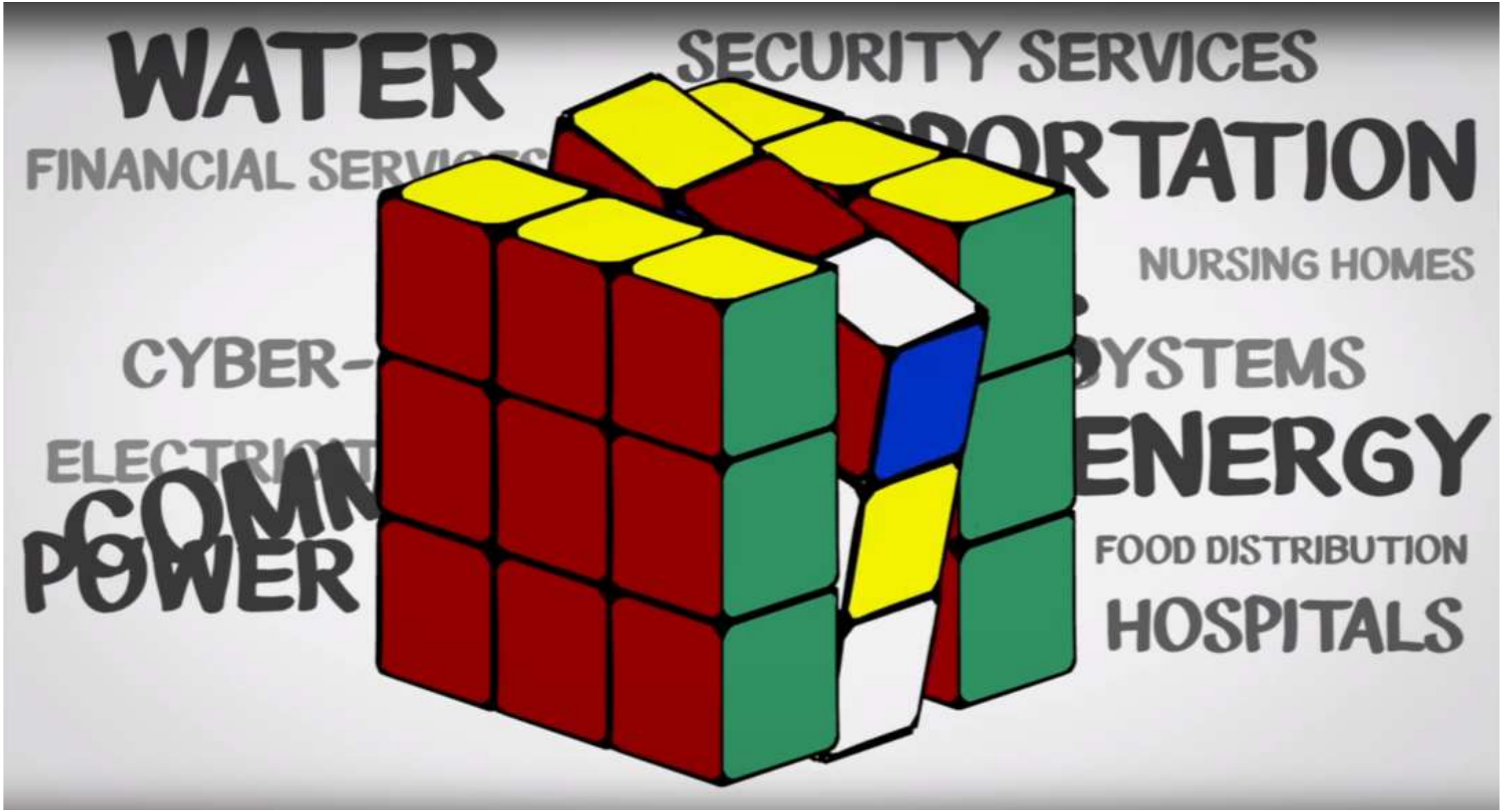
EMERGENCY MANAGEMENT CONFERENCE 2019
Tuesday 28 - Wednesday 29 May 2019
The Pullman Melbourne, Albert Park

New York

World-class strengths alongside significant vulnerabilities and continuing threats

- 8.4 million residents
- Complex geography of 800 square kilometers of land on 3 islands and a peninsula
- Population of Manhattan doubles (from 1.5 million to 3 million people) every business day
- Sustained by an intricate web of interconnected, overtaxed and aging critical infrastructure systems
- Faces significant natural, man-made and technological threats

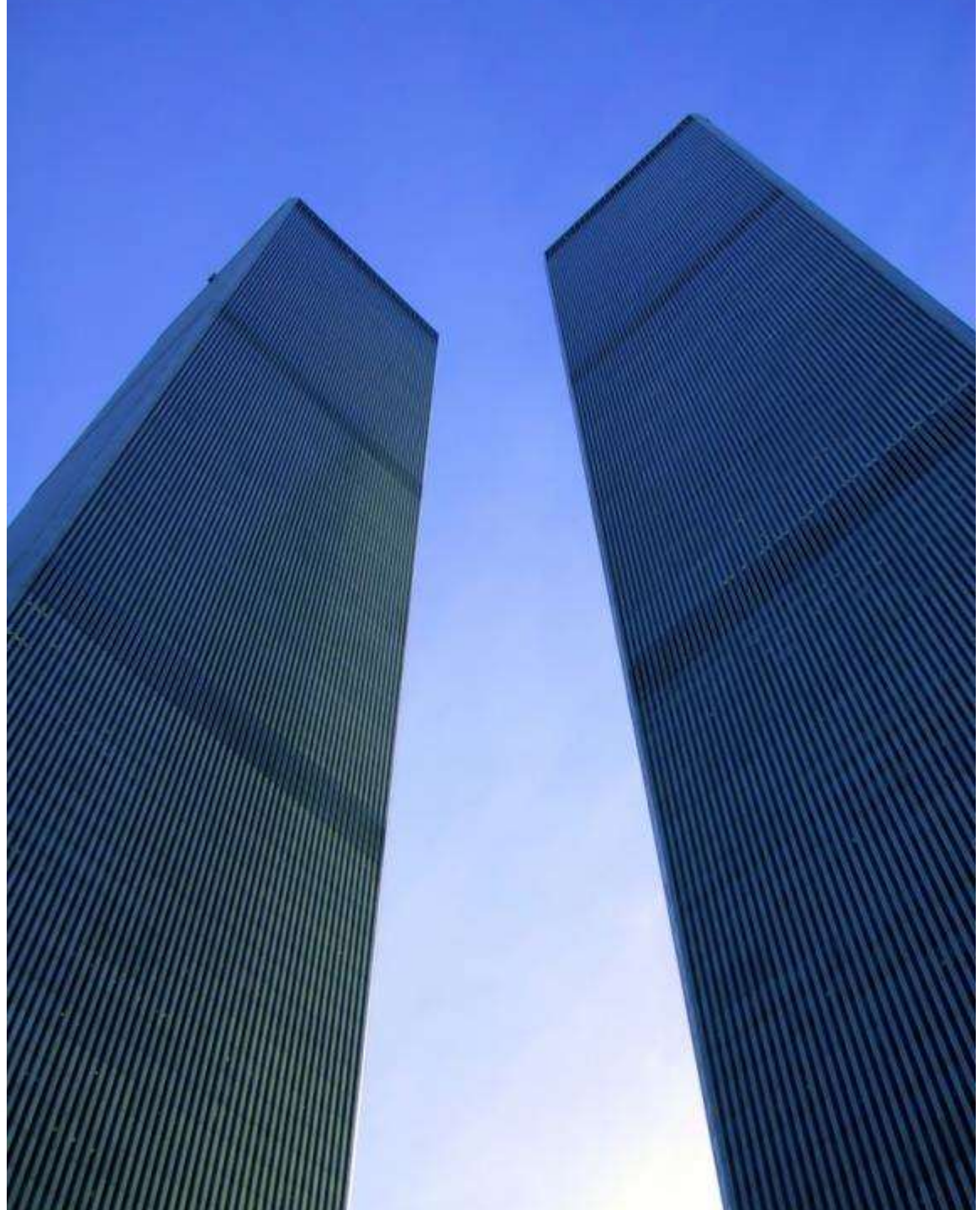
$1.13 TRILLION GDP 8.4 MILLION RESIDENTS 51 MILLION ANNUAL TOURISTS 2,800,000 DAILY COMMUTERS 6 MILLION DAILY SUBWAY PASSENGERS 3 MILLION DAILY BUS PASSENGERS 92.4 MILLION ANNUAL AIR TRAVELERS 950 COMMERCIAL VESSELS IN NEW YORK HARBOR 22 UNDERWATER RAIL TUNNELS 61 HOSPITALS 182 NURSING HOMES 21 US MILITARY INSTALLATIONS 600 CULTURAL INSTITUTIONS 200,000 BUSINESSES 1/3 OF NATION'S LARGEST MEDIA COMPANIES UNITED NATIONS NEW YORK STOCK EXCHANGE WALL STREET BROOKLYN BRIDGE STATUE OF LIBERTY ELLIS ISLAND EMPIRE STATE BUILDING TWO MAJOR LEAGUE BASEBALL STADIUMS


WATER
SECURITY SERVICES
FINANCIAL SERVICES
NURSING HOMES
CYBER-
SYSTEMS
ENERGY
POWER
FOOD DISTRIBUTION
HOSPITALS

irresilience

“There’s not a single aspect of our lives—heating, food, fuel, communications, medical care, and the list goes on—that’s not intimately tied to a network of machinery that can be readily disabled by a squirrel”

— Adam Stone



LIVE
BREAKING NEWS

OEM

“Everybody's got a plan until they get punched in the mouth"

— Mike Tyson, American professional boxer

katrina story

katrina story | part 2

KATRINA: THE STORM WE'VE ALWAYS FEARED

The Times-Picayune

FRIDAY, SEPTEMBER 2, 2005

'HELP US, PLEASE'

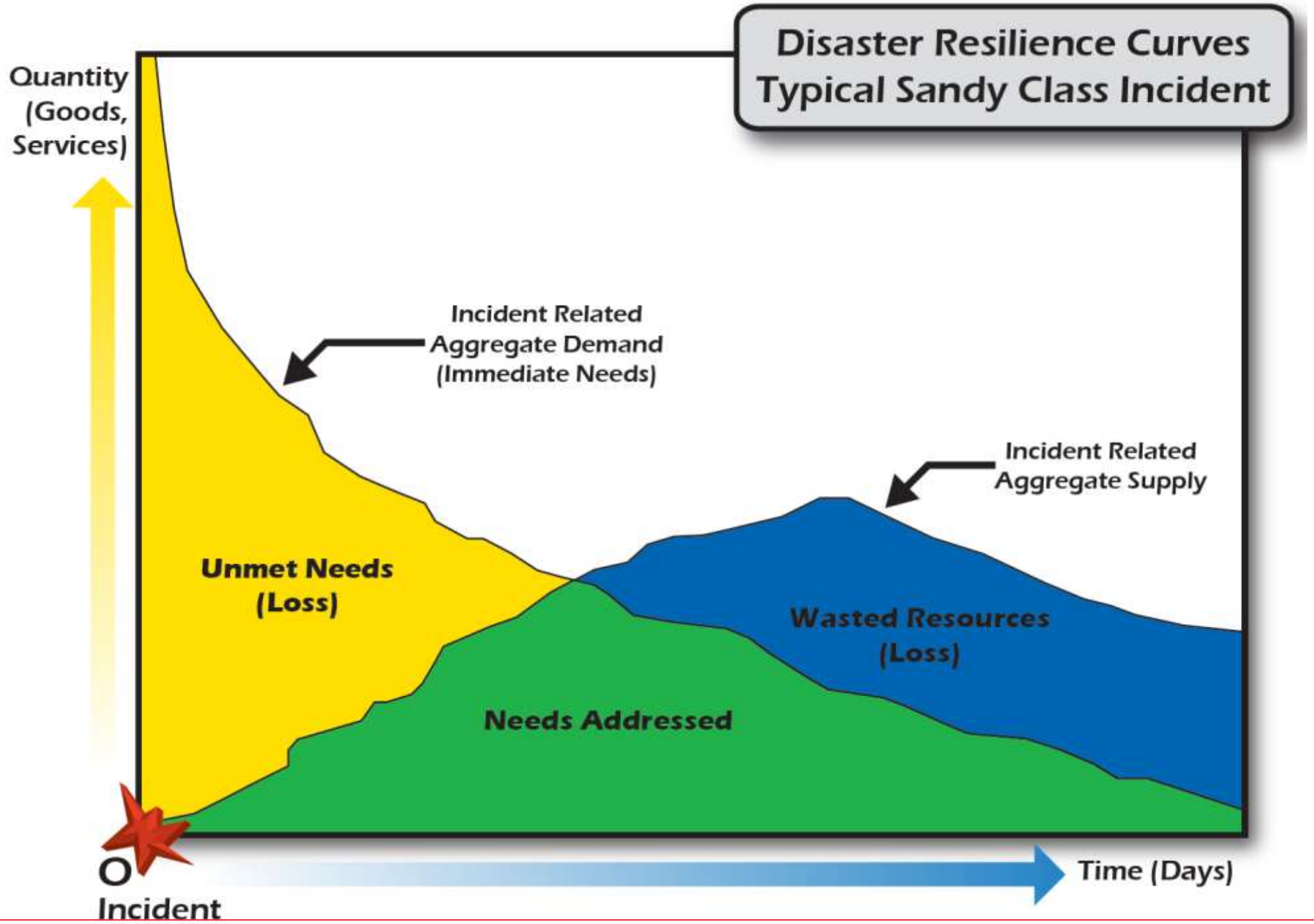
AFTER THE DISASTER, CHAOS AND LAWLESSNESS RULE THE STREETS

katrina story | part 2

katrina story | part 2

katrina story | part 3

An Mw 6.2 earthquake occurred in Christchurch on 22 February 2011 at 12:51 p.m. local time (23:51 UTC, 21 February). ...


Disaster Resilience Curves
Typical Sandy Class Incident
Quantity
(Goods,
Services)
Incident Related
Aggregate Demand
(Immediate Needs)
Incident Related
Aggregate Supply
Unmet Needs
(Loss)
Wasted Resources
(Loss)
Needs Addressed
O
Incident
Time (Days)

“Subduction-zone earthquakes operate on the…[principle that] one enormous problem causes many other enormous problems”

— Kathryn Schulz, *The Really Big One*

Seattle
Bellevue
Olympia
Tacoma
Spokane
Centralia
Ellensburg
Moses Lake
Kelso
Longview
Yakima
Kennewick
Portland
Hillsboro
McMinnville
Gresham
Redmond
Bend
Canyon City
Oregon

“The mission of humanitarian aid is to save lives, alleviate suffering, and maintain human dignity”

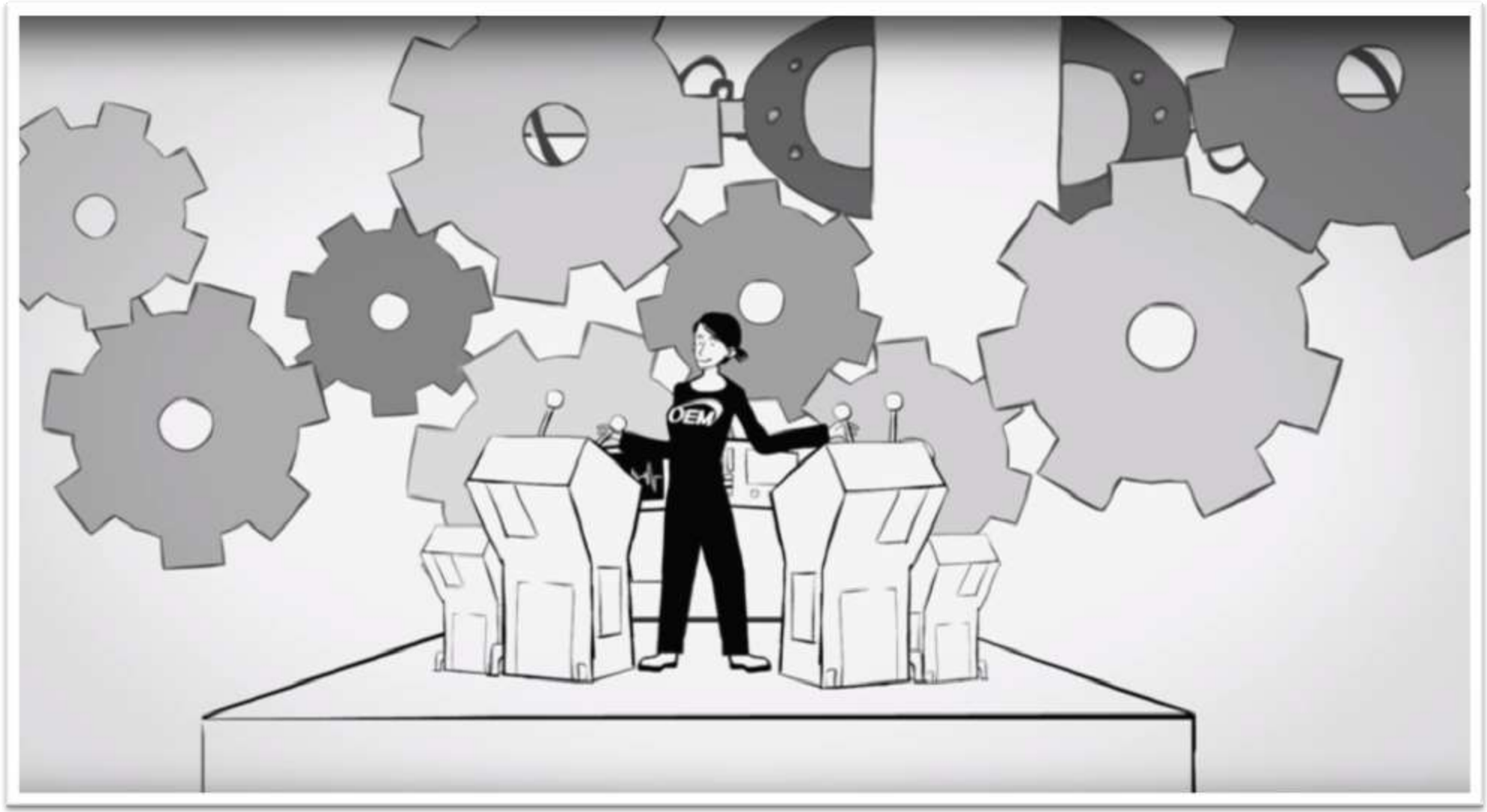
— European Humanitarian Action Partnership

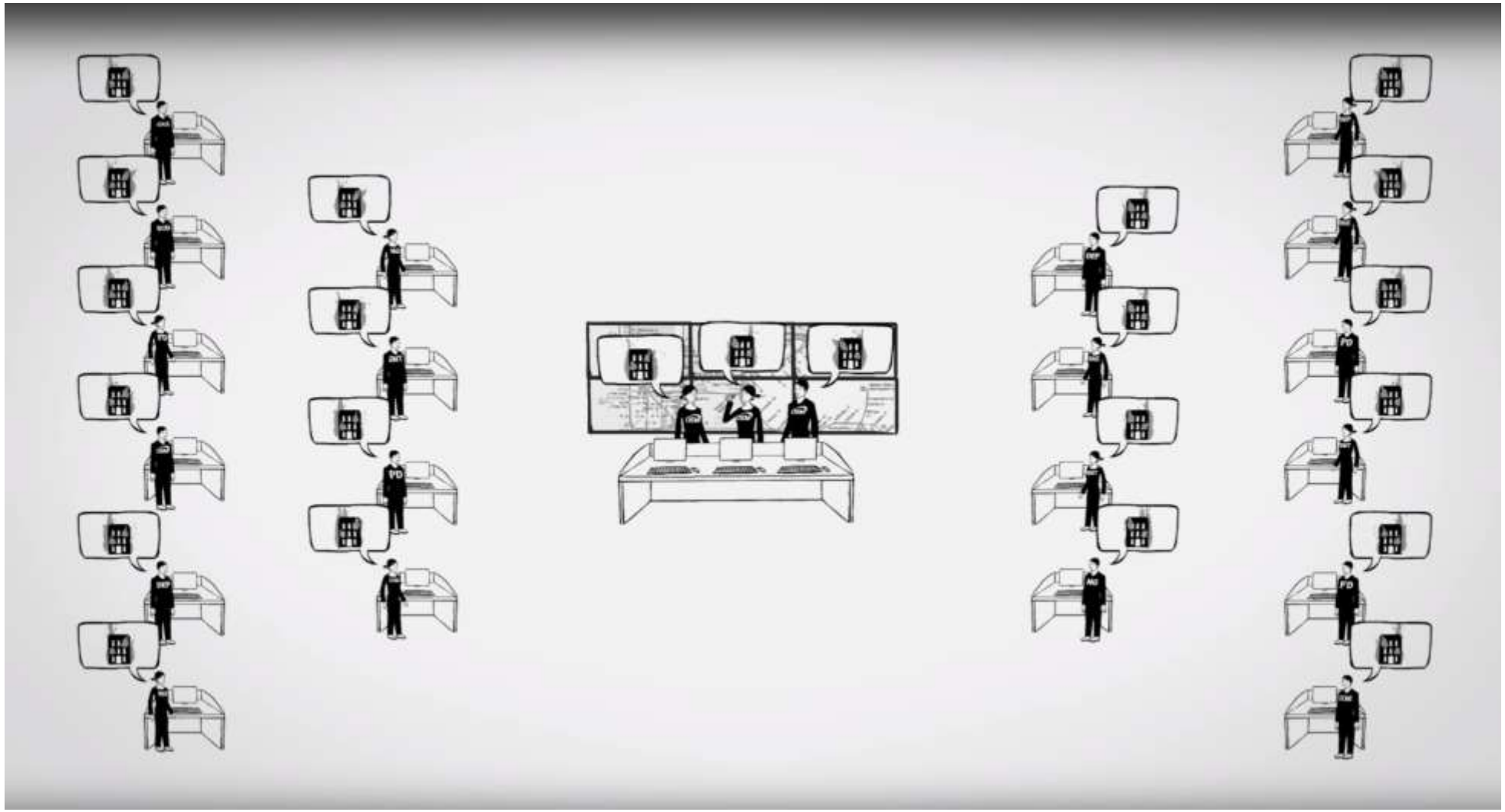
katrina story

American
Red Cross

American Red Cross

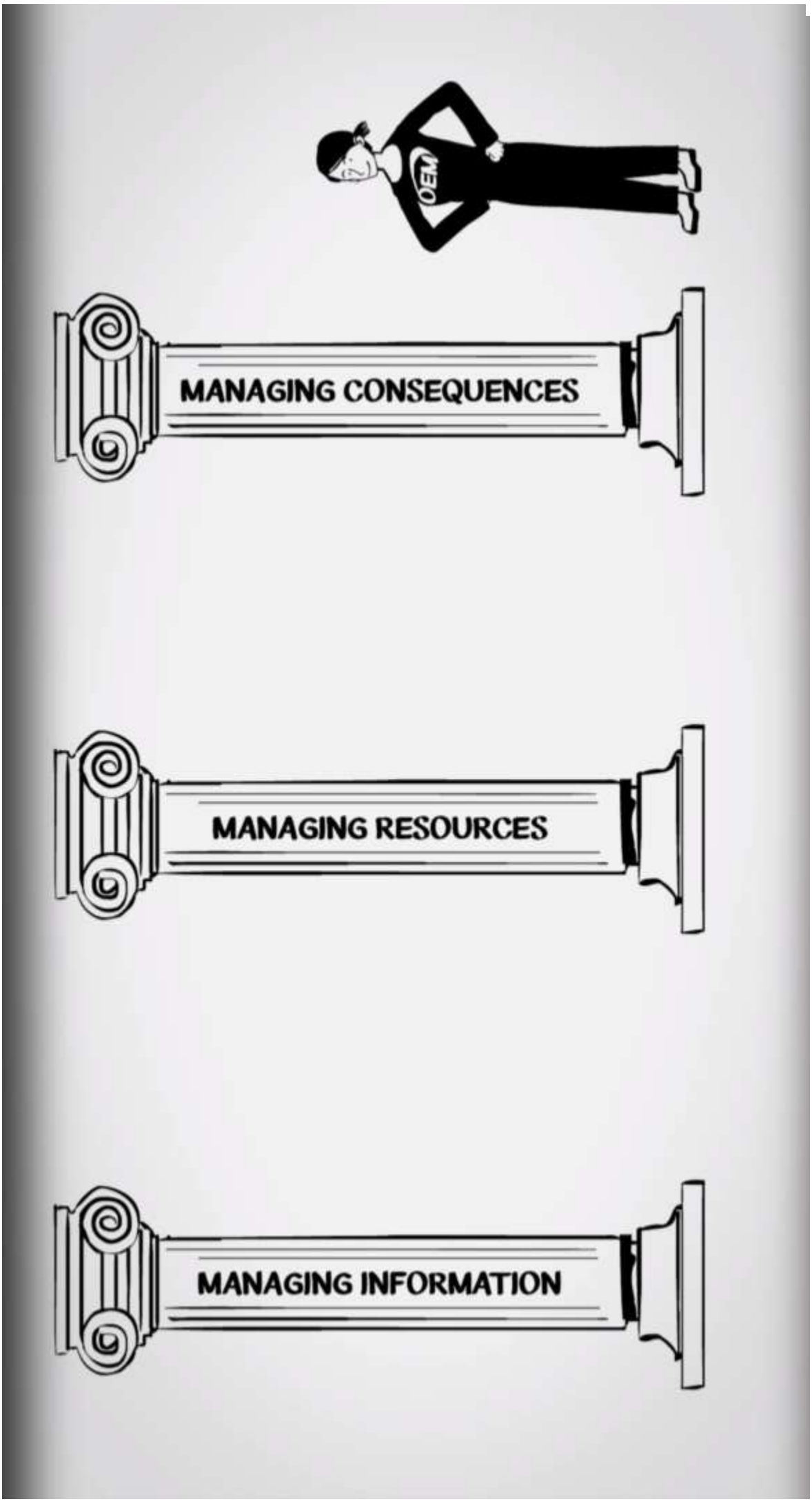
HOW?

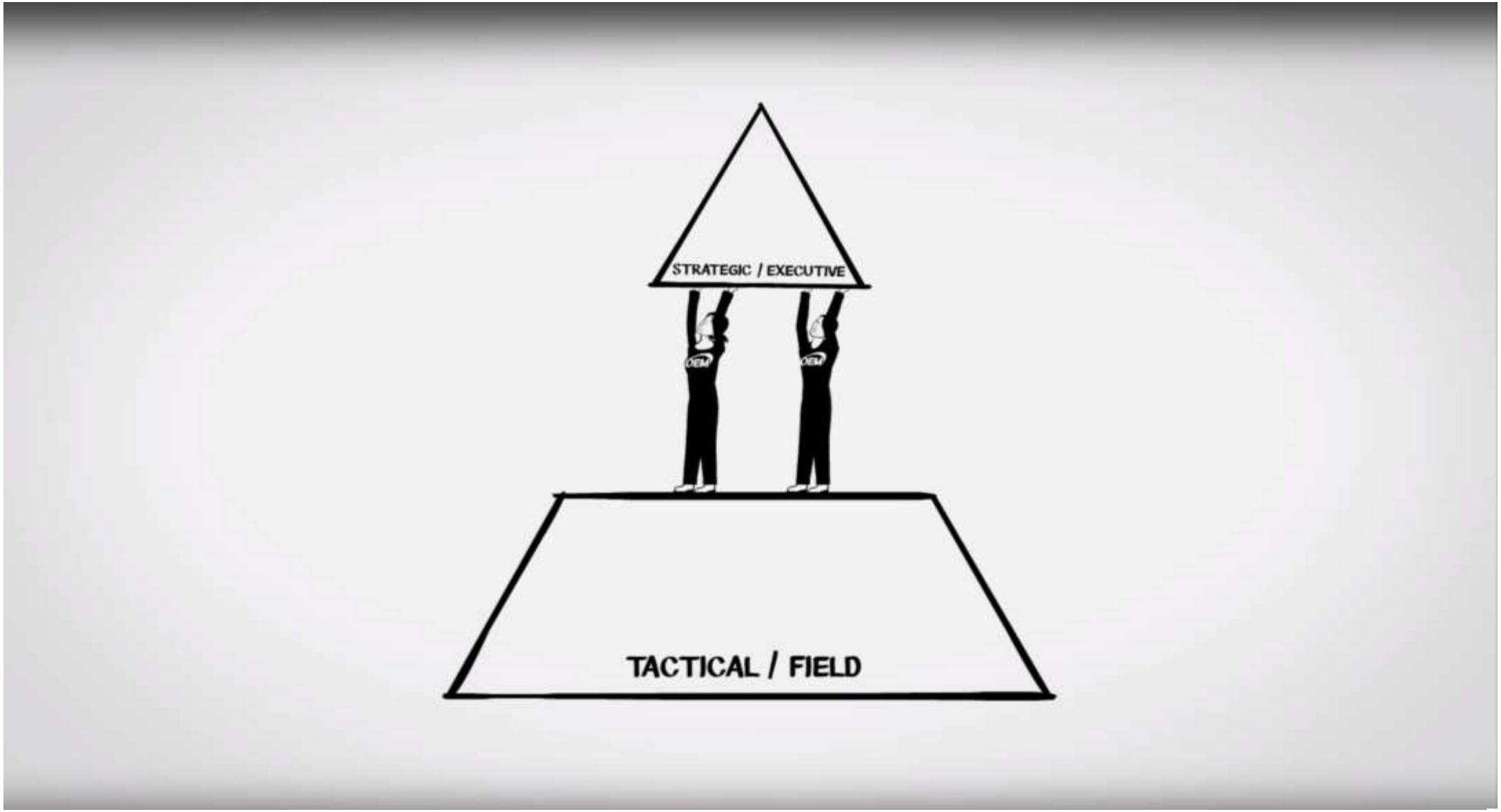

OEM

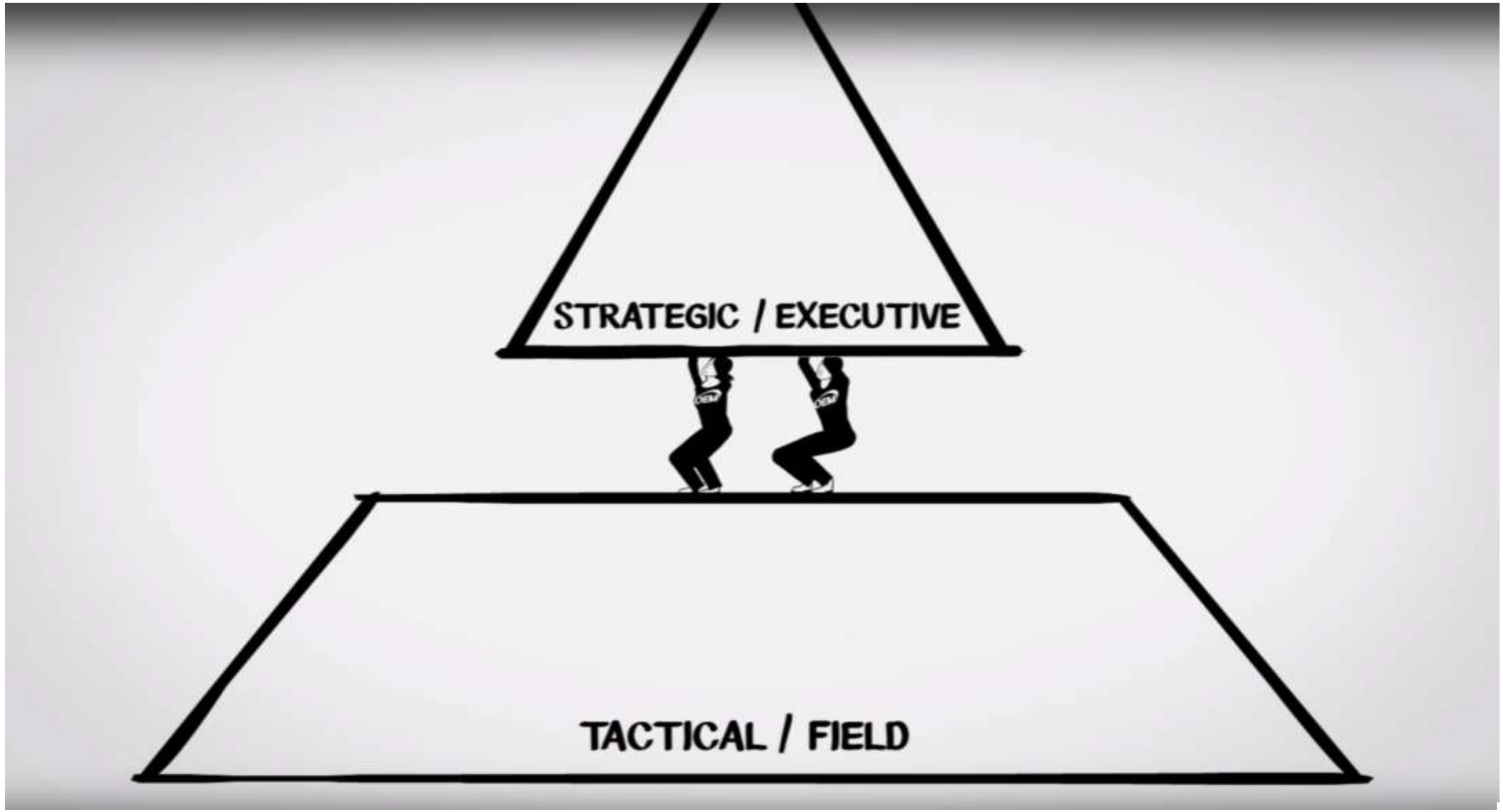


NEW YORK CITY
NEW JERSEY
NEW YORK
DHSES

RadarLogic HD


MANAGING CONSEQUENCES
MANAGING RESOURCES
MANAGING INFORMATION


STRATEGIC / EXECUTIVE
TACTICAL / FIELD


STRATEGIC / EXECUTIVE
TACTICAL / FIELD

OEM

end