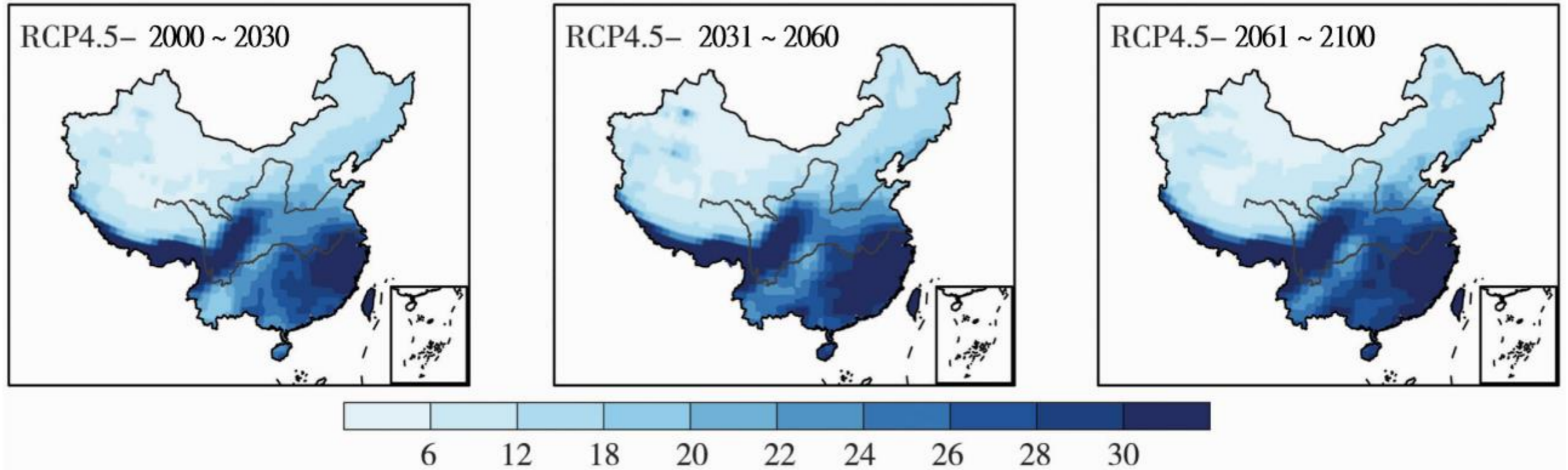


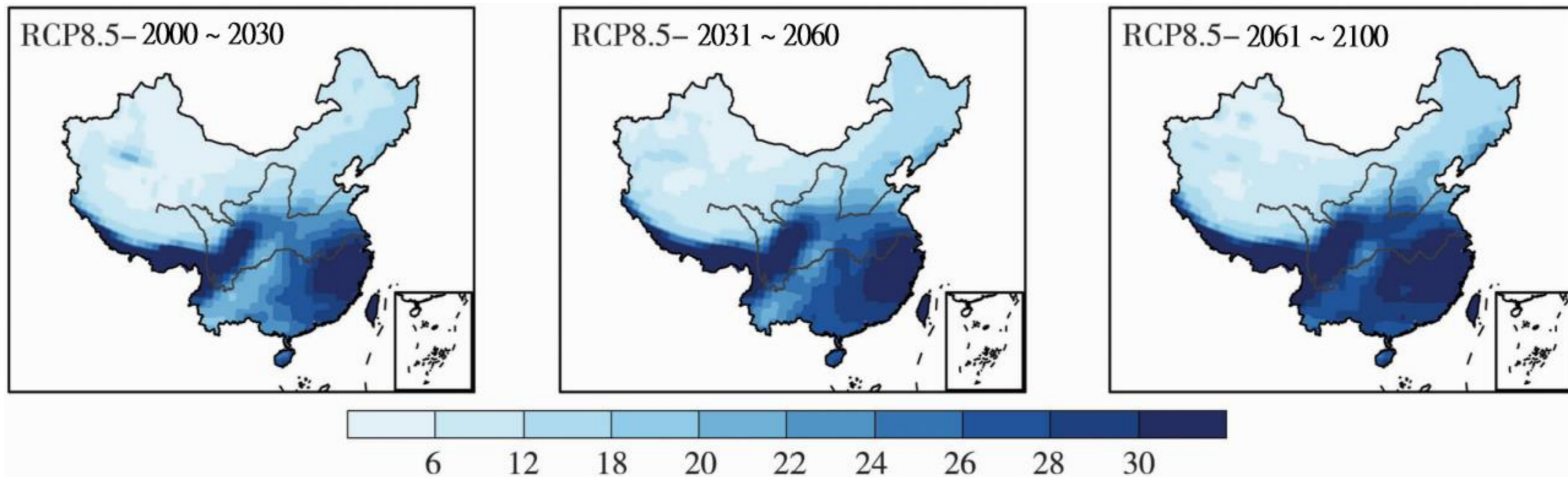
# Climate Change – Flood BCP in QCS (China Suzhou)

# Scenario Development – RCP 4.5



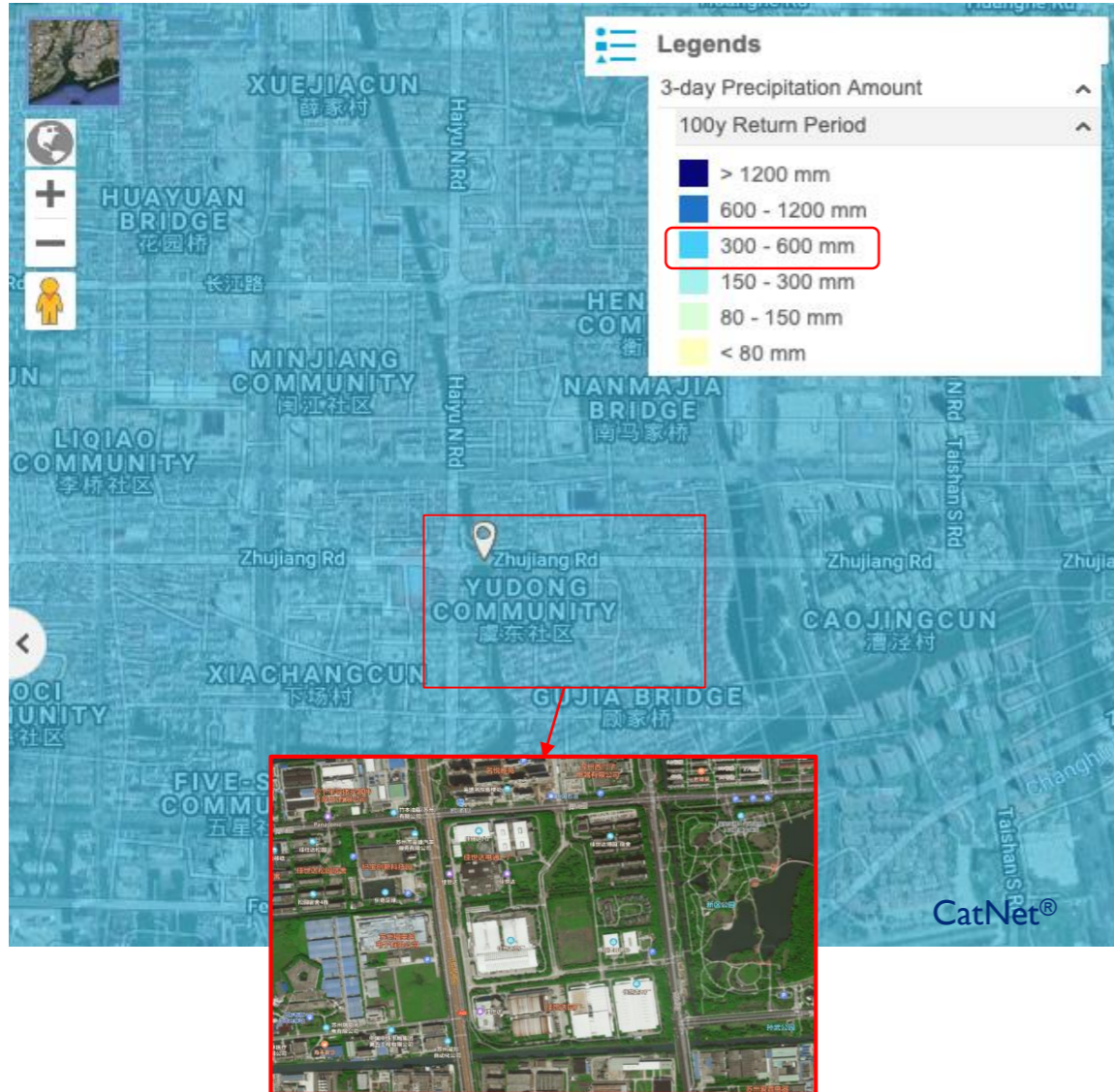
Spatial distribution of R20mm for 100 – year return period under the RCP4.5 and RCP8.5 scenarios in China in the 21<sup>st</sup> century (Unit:d)

# Scenario Development – RCP 8.5



Spatial distribution of R20mm for 100 – year return period under the RCP4.5 and RCP8.5 scenarios in China in the 21<sup>st</sup> century (Unit:d)

# Scenario for Flood BCP in QCS(China Suzhou)

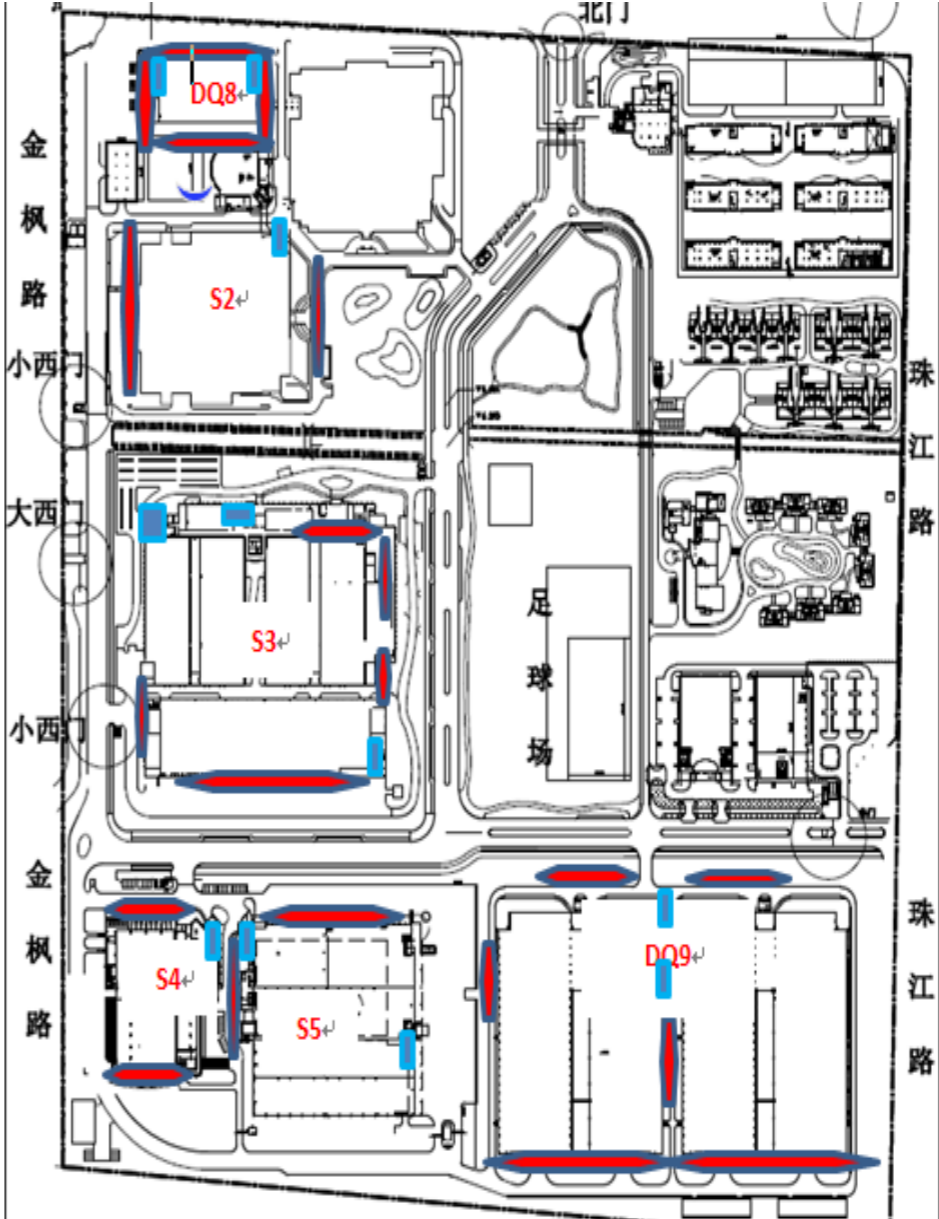




- 14 consecutive days of heavy rainfall.
- Rainfall greater than 250mm for three consecutive days.
- High tide makes drainage difficult.
- Heavy rain causes sluice, pump station to fail.
- The flooding time is up to three days, and the flooding height of the surrounding roads is 1m (based on the road outside the factory area).
- Power and water supply outages for 4 days. (40% recovery on day 4)
- Reduced employee attendance, impact on Suzhou suppliers.

# Physical Impact & Sensitivity Analysis

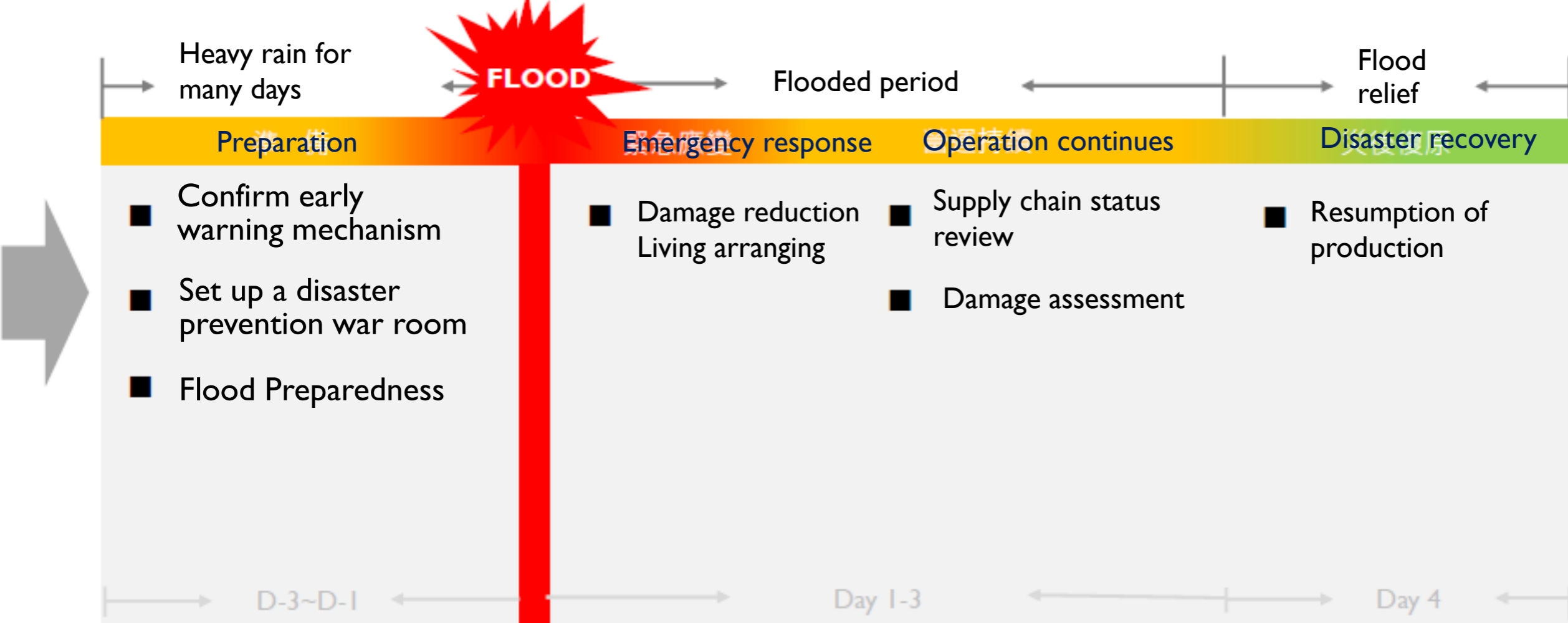
- Electricity outages : 40% recovery on day 4 , stable power supply on day 8.
- Water outages : 40% recovery on day 4 , stable water supply on day 8.
- Cargo transport : 20% recovery on day 6 , 60% on day 10 , 100% on day 14.
- QCS is biggest manufacturing factory in Qisda. It' s provide 50%~60% of revenue and 35% ~ 40% of assets.

# QCS Layout & Flood gate installation location

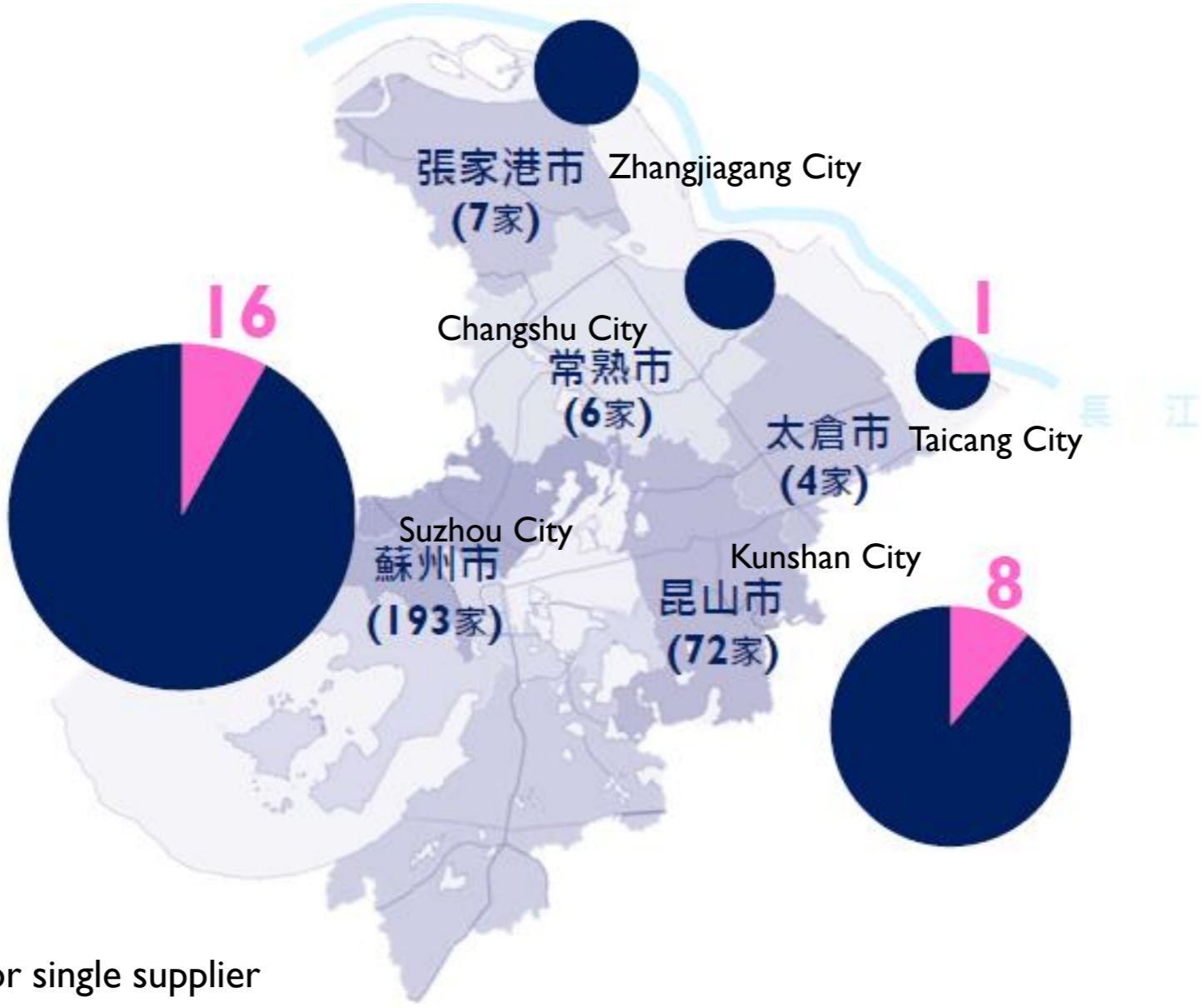


-  Inflatable flood gates
-  Flood sandbag

# Business Impact Analysis



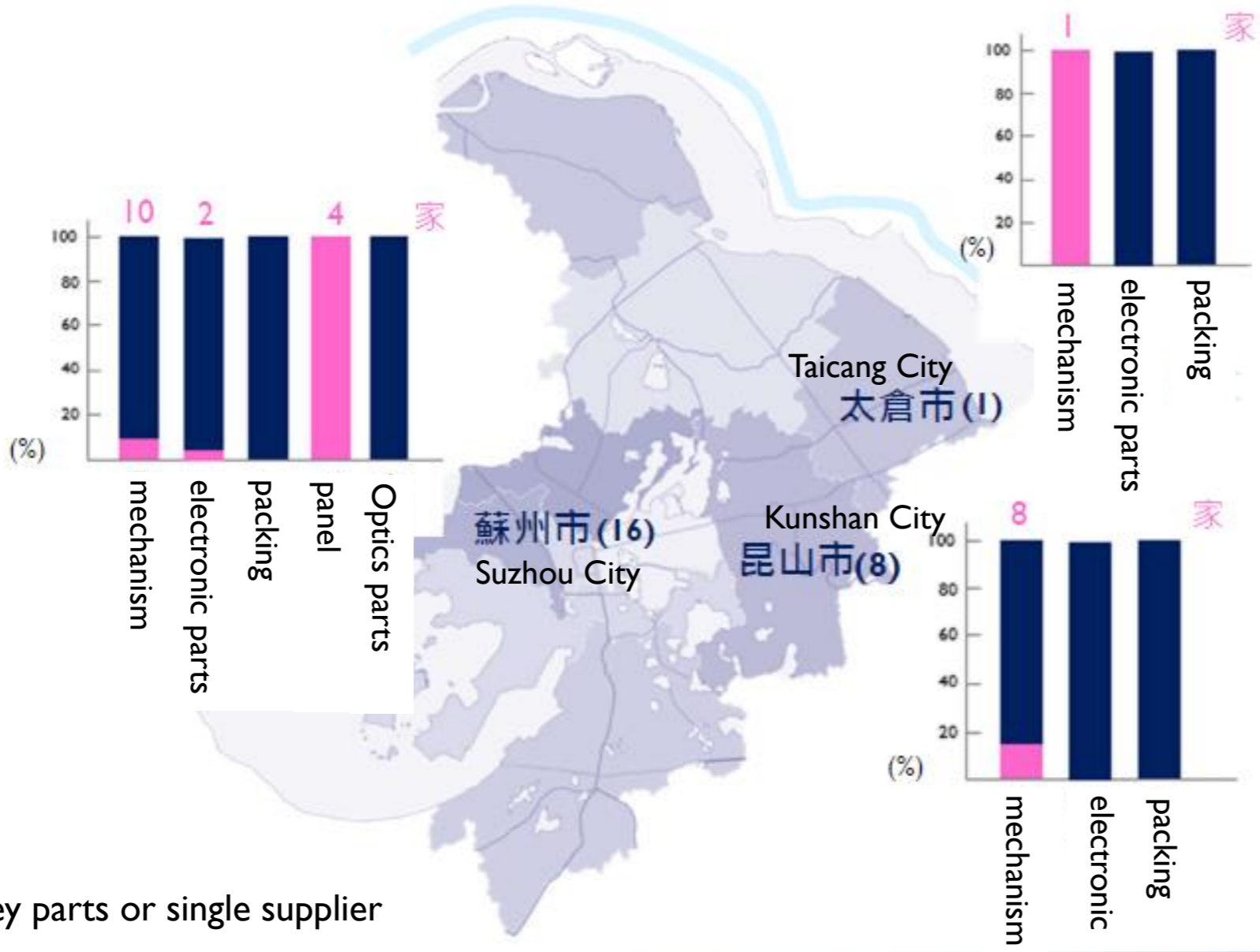
# Supply Chain Impact : Location Survey



■ Key parts or single supplier



# Supply Chain Impact : Key parts or single supplier

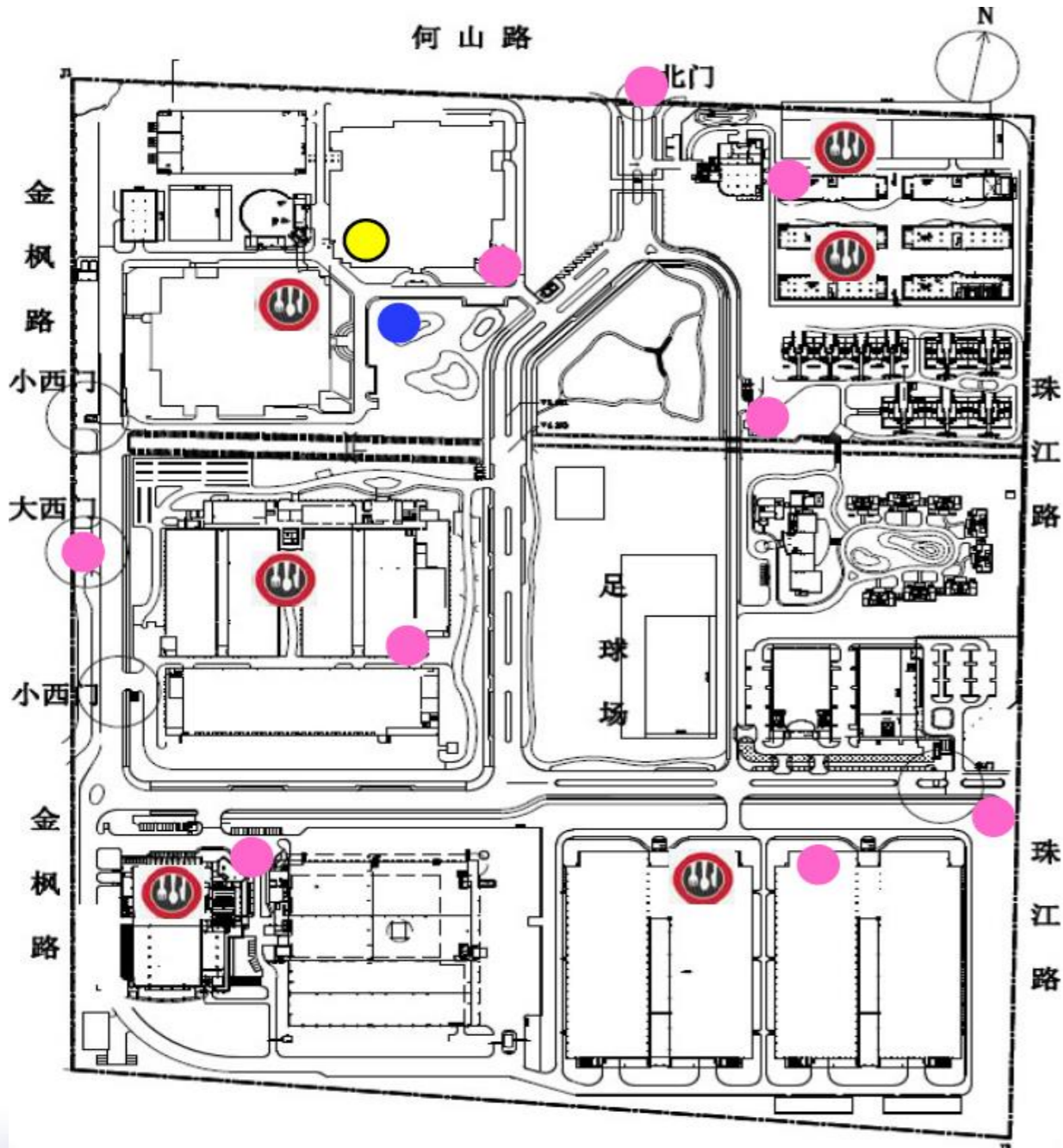


■ Key parts or single supplier

# Sensitive material preservation

Factory	Sensitive Material	Storage Conditions	Storage Method
S1	<ul style="list-style-type: none"> <li>• IC</li> <li>• Diodes</li> <li>• Triode</li> </ul>	<ul style="list-style-type: none"> <li>• Temperature : 20-30°C</li> <li>• Humidity : 30-70 g/m3</li> </ul>	<ol style="list-style-type: none"> <li>1. Store materials in plastic bags and seal.</li> <li>2. Stored on the VMI warehouse on the 2nd floor, set one more emergency generators.</li> </ol>
S5	<ul style="list-style-type: none"> <li>• FILM</li> <li>• LGP</li> </ul>	<ul style="list-style-type: none"> <li>• Temperature : 0-30°C</li> <li>• Humidity : 50-70 g/m3</li> </ul>	<ol style="list-style-type: none"> <li>1. Store materials in plastic bags and seal.</li> <li>2. Stored in the optical and clean room warehouse on the 2nd floor.</li> <li>3. Setting one more emergency generators.</li> </ol>

# Living arranging



- Meal :
  - 3 times/day
  - Factory: distributed in restaurants
  - Dormitory: Guards are issued floor by floor.
- Roll Call :
  - 1 times/day
  - Each factory reports to HR regularly.
- Environmental inspection
  - 1 times/hour



Food Service



Kayak Moorage

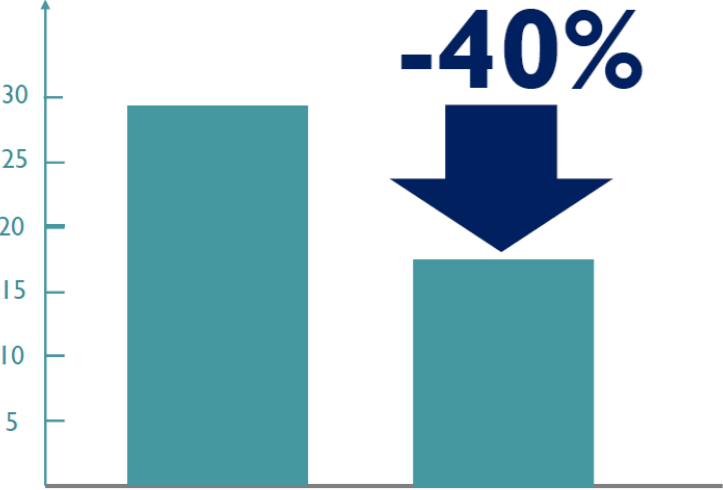


Inspection Point

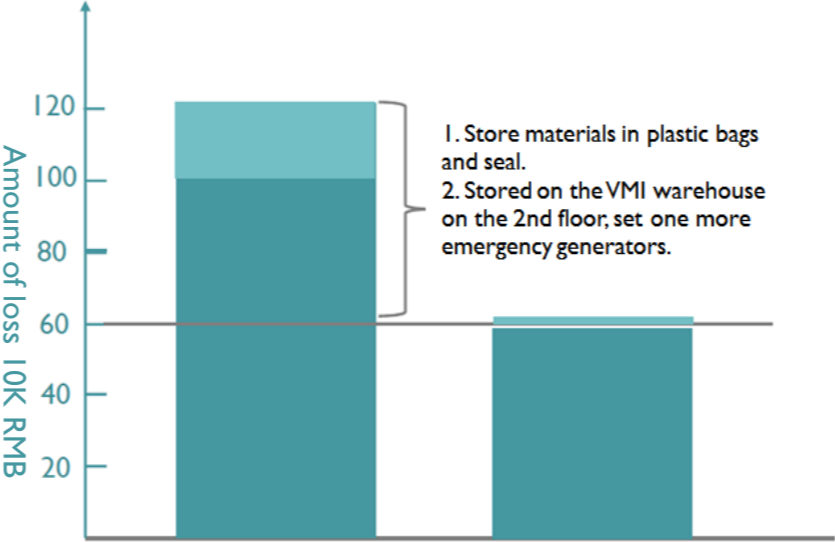


Situation Room

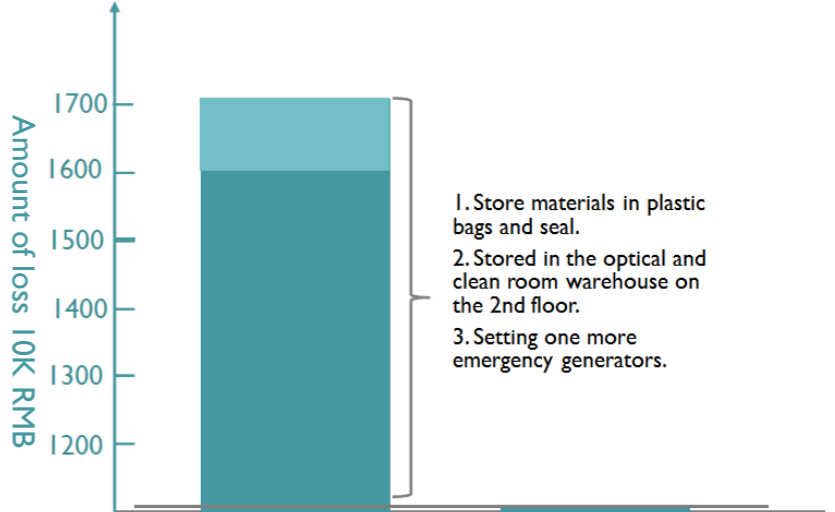
# Improvement



Recovery days



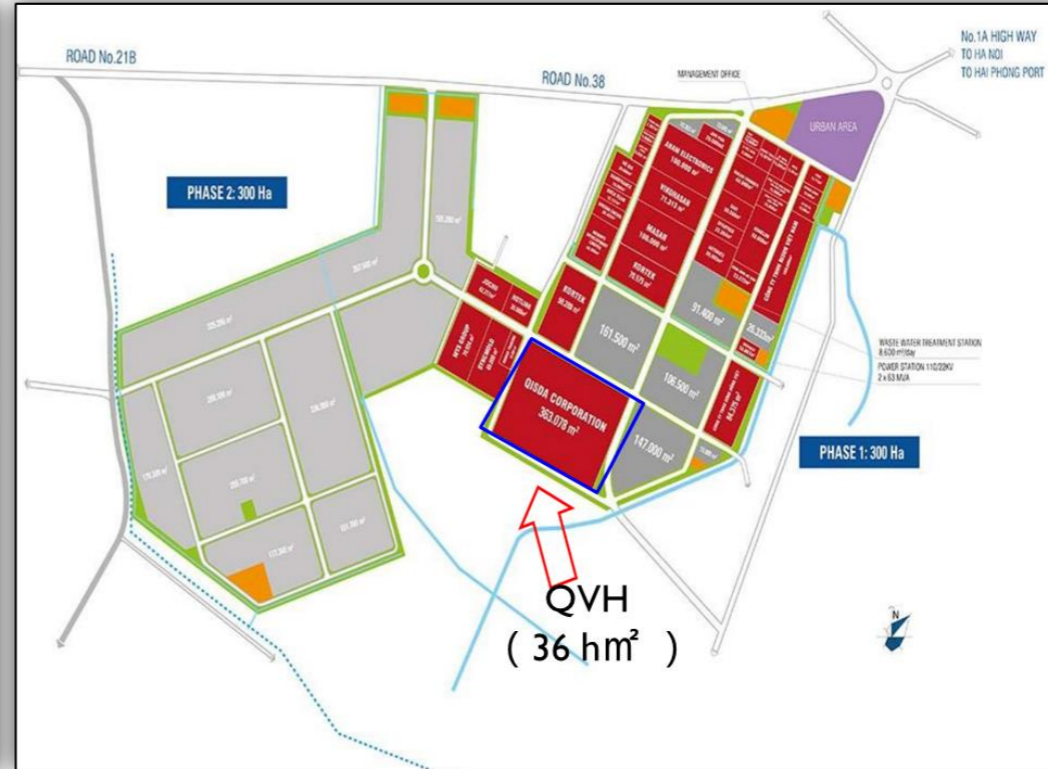
Reduce losses (Factory : S1)



Reduce losses(Factory : S5)

# Medium and Long-term Solution

- Qisda Vietnam(QVH) can provide more than 30% of productivity to cover the losses of QCS.



## Distance from Dong Van IP IV to:

- Hanoi : 50KM ( 50'' )
- Airport (Noi Bai内排) : 80KM ( 1h 35'' )
- Harbor(Hai Phong 海防) : 114KM ( 2h 10'' )

## QVH Location ( Inside in Dong Van IP IV ) 36 hm<sup>2</sup>



# Qisda

## Value-Up Solutions