Resilient supply chains suffer less impact in case of disruption (Robustness) and recover to initial performance level in less time (Agility).

Target

Supply Chain Resilience

SC Design

Robustness | Agility

Success Factors

Redundancy | Flexibility | Responsive-ness

Actions

- Network design & reconfiguration
- Bottleneck analysis
- Real-time monitoring
- Multiple sourcing
- Free/additional transport capacities
- Free/additional production capacities
- Inventory management
- Supplier management
- Contingency plans

Supply Chain Performance

Initial Level — Disruption

Example

Consequences Noticeable

Return to Initial Level

Robustness

Agility

Measures Effective

Full Impact

Time

Regular Operation | Crisis Mode | Recovery

Sources: Cf. Biedermann, L. (2018). Supply Chain Resilience. Springer Gabler; Voss P. H. (2023). Die Neuerfindung der Logistik. Springer Gabler