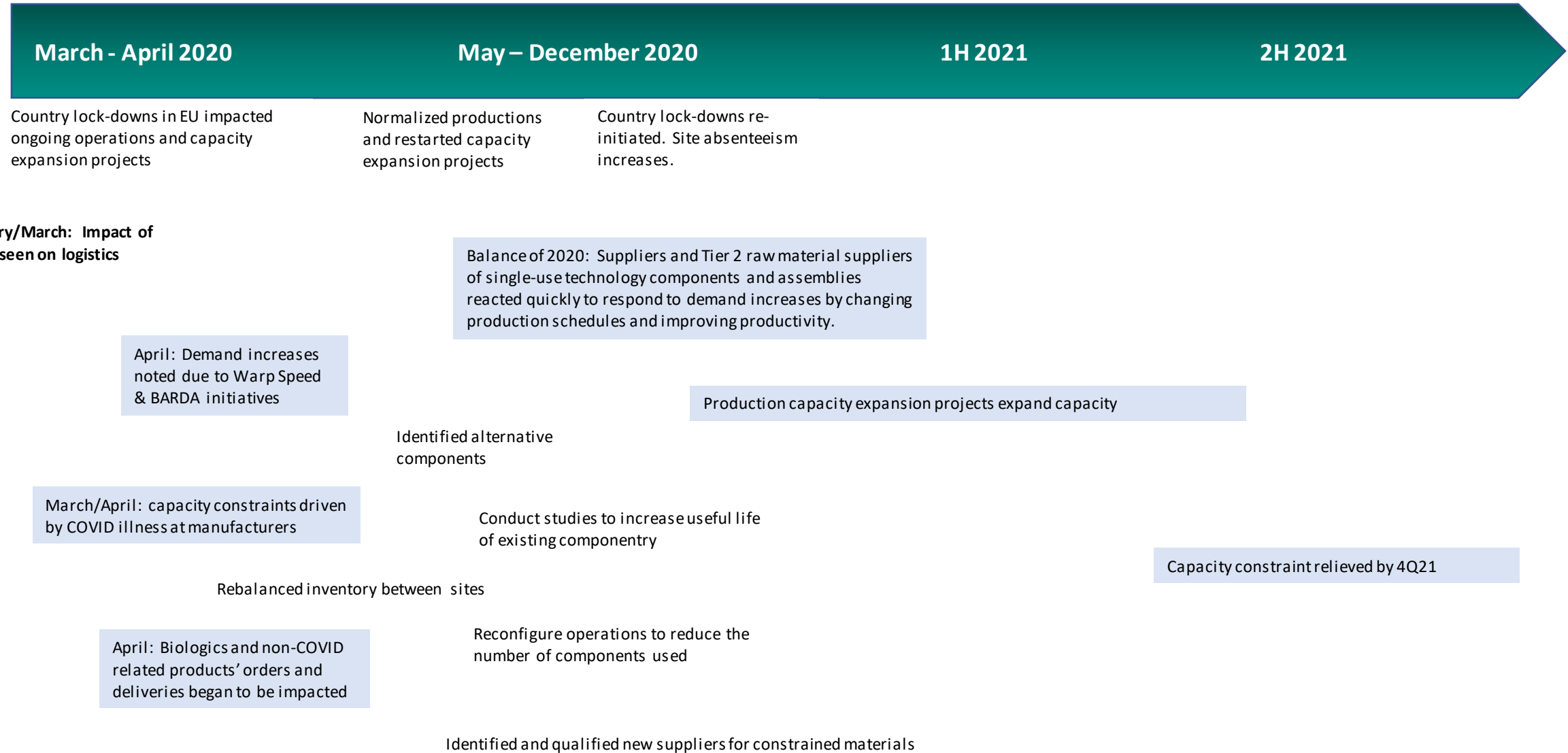


Timeline of capacity constraint unfolding



Capacity constraints driven by COVID-19

Consumables used in manufacture of Biologics and Vaccines

Stabilize

- ✓ Completed assessment of 32 suppliers
- ✓ Ensured safety stock levels @ >8 weeks for raw material components
- ✓ Ensured employee safety measures in place

Recover

- ✓ Maintain safety stock levels
- ✓ Increase staffing to ensure capacity investments fully realize output
- ✓ Transition to 24/7 operations
- ✓ Increase raw material stock and sterilization capacity

Increase Capacity

- ✓ Secure additional capacity (65% increase required)
 - Increase physical footprint and add equipment
 - Added suppliers
- ✓ Build a global capacity plan
- ✓ Leverage external partners and new manufacturing technologies, e.g. automation