



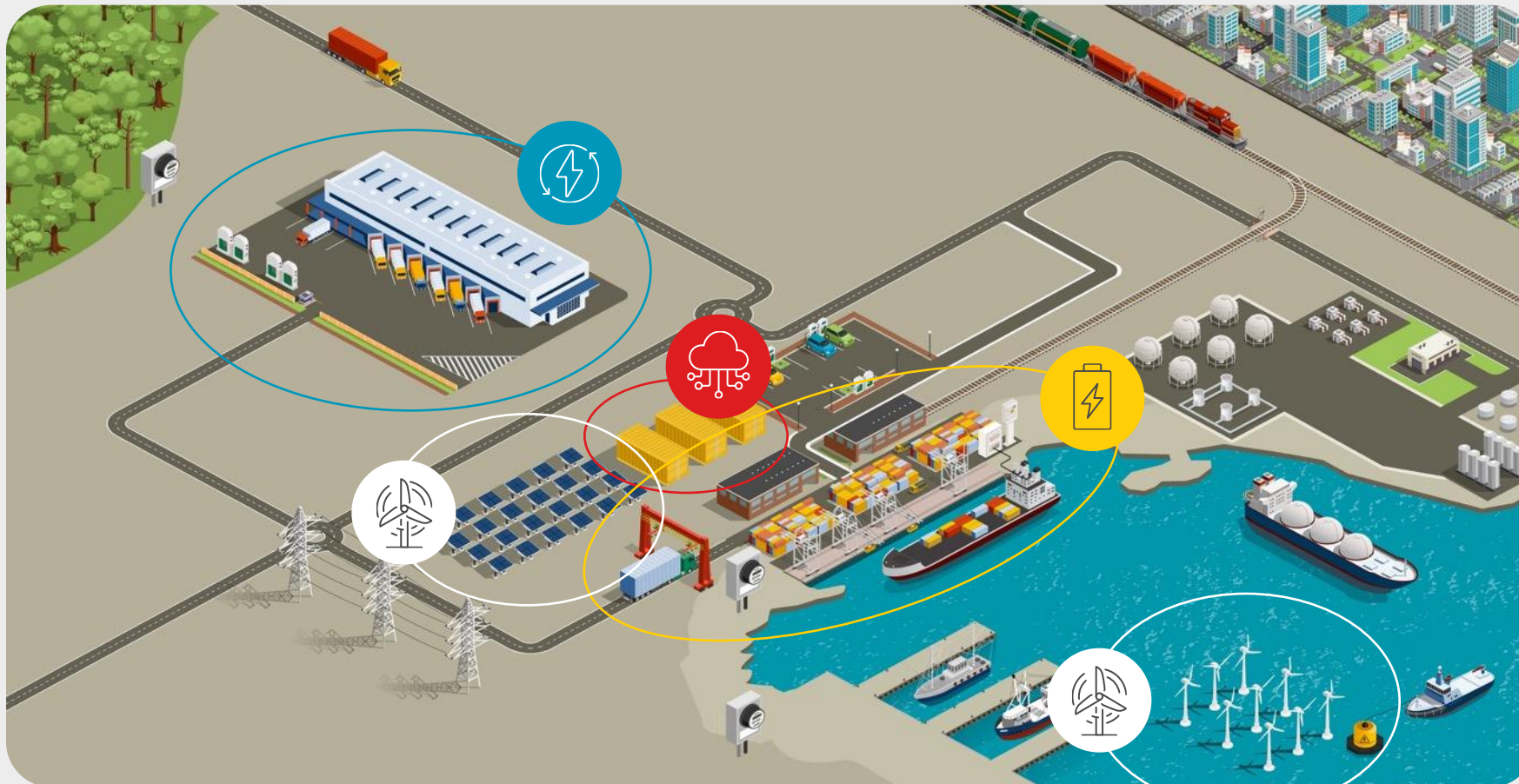
An integrated solutions
approach toward ports, terminals
and warehouse electrification

CHARGE AHEAD





THE E2E ELECTRIFICATION INCLUDES SHORE POWER, ENERGY MANAGEMENT, BATTERY SWAPPING AND CHARGING



1. POWER PROVISION

Efficient & reliable, continuous renewable energy power, with buffering management & storage to maintain grid stability & safety



2. SITE ENERGY MANAGEMENT

Optimized energy supply with end-to-end energy system data continuously monitored



3. CHARGING & BATTERY SWAPPING IN TERMINAL

Near-instant, semi-mobile charging with safe, universal connector



4. CHARGING IN WAREHOUSE

Near-instant, DC charging with safe, universal connector(40-450 KW)



SHELL'S TURNKEY SOLUTION ENABLES LOWER TOTAL COST OF OWNERSHIP AND HIGHER VALUE THROUGH EFFICIENCY AND CUSTOMIZED ELECTRIFICATION



Solution design & engineering

- Logistical process analysis
- Site investigation
- Future proofing electrification journey



Hardware & power supply systems

- Energy Management analysis
- Secure high-quality hardware that is designed for heavy-duty usage



Energy supply

- Microgrid
- Solar
- Wind
- Batteries



Software

- Energy Management System
- Fleet Management System
- Dynamic Energy contracts



Support & maintenance services

- Based on customer contract
- Custom SLA based on customer segment, needs and operations
- Up to 24/7, 365 days



CONTACT DETAILS



SHELL'S PORT & TERMINAL ELECTRIFICATION TEAM



RICHARD BUSS

Richard.Buss@shell.com



THOMAS SAORIN

T.Saorin@shell.com



KAUSHIK JADHAO

Kaushik.Jadhao@shell.com

