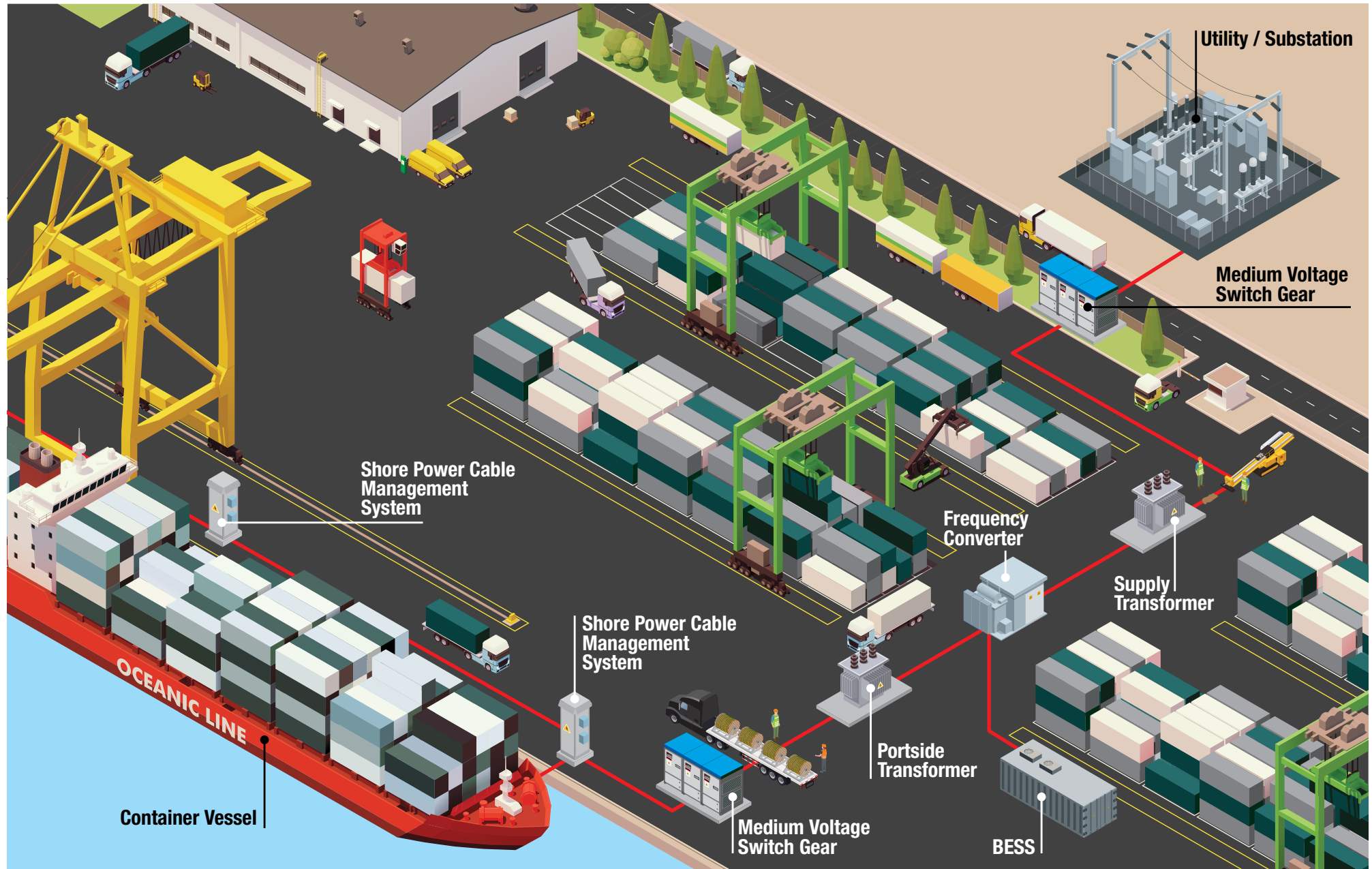


SHORE POWER ELECTRIFICATION



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1. UTILITY/SUBSTATION TO MV SWITCHGEAR(S):

1.1 POWER:



MV Primary MV Concentric Neutral



MV Industrial Copper Tape Shielded 1/C



MV Industrial Copper Tape Shielded 3/C

1.2 GROUNDING:



SIMpull® XHHW or THHN

5. FREQUENCY CONVERTER/ VOLTAGE ADJUSTMENT TO BESS:

5.1 MV:



MV Primary MV Concentric Neutral

5.2 LV POWER:



DLO 2000V EPDM/CPE
RHW/RHW-2/RW90 MSHA

5.3 PV:



AL 2000V RHH/RHW-2 PV



CU 2000V RHH/RHW-2 PV



AL 2000V SSR™ PV

2. INSIDE MV SWITCHGEAR:



SPEC 44030



SPEC 44031

6. FREQUENCY CONVERTER/ VOLTAGE ADJUSTMENT TO PORTSIDE TRANSFORMER(S)

6.1 POWER:



MV Primary MV Concentric Neutral



MV Industrial Copper Tape Shielded 1/C



MV Industrial Copper Tape Shielded 3/C

6.2 GROUNDING:



SIMpull® XHHW or THHN

6.3 LV POWER:



600/1000V XHHW-2 CT Rated



600V Type MC Armorlite® THHN/THWN
AIA PVC Silicone Free



2000V RHH/RHW-2 LSZH

6.4 LV CONTROL:



600V THHN/THWN-2



600V THHN/THWN-2 Shielded



600V XHHW-2

3. MV SWITCHGEAR TO SUPPLY TRANSFORMER(S) OR MV UNDERGROUND ON PORTSIDE:

3.1 POWER:



MV Primary MV Concentric Neutral



MV Industrial Copper Tape Shielded 1/C



MV Industrial Copper Tape Shielded 3/C

3.2 GROUNDING:



SIMpull® XHHW or THHN

7. PORTSIDE TRANSFORMER TO PORTSIDE POWER AND OTHER SWITCHGEAR(S) (MV AND LV):

7.1 MV POWER AND GROUNDING:



MV Primary MV Concentric Neutral



MV Industrial Copper Tape Shielded 1/C



MV Industrial Copper Tape Shielded 3/C

7.2 LV POWER:



600/1000V XHHW-2 CT Rated



600V Type MC Armorlite® THHN/THWN
AIA PVC Silicone Free



2000V RHH/RHW-2 LSZH

7.3 LV CONTROL:



600V THHN/THWN-2



600V THHN/THWN-2 Shielded



600V XHHW-2

4. SUPPLY TRANSFORMER TO FREQUENCY CONVERTER:

4.1 MV:



MV Primary MV Concentric Neutral



MV Industrial Copper Tape Shielded 1/C



MV Industrial Copper Tape Shielded 3/C

4.2 LV POWER



600/1000V XHHW-2 CT Rated



600V Type MC Armorlite® THHN/THWN
AIA PVC Silicone Free



2000V RHH/RHW-2 LSZH

8. HEAVY-DUTY PORTSIDE POWER, INCLUDING SHORE-TO-SHIP:

8.1 MV:



SHD-GC RHINOSHIELD® 15 kV

8.2 LV



1/C Type W 2kV



5/C Type W 2kV



600V SOOW Unshielded



600V SOOW Shielded