



ms NEUMANN ELEKTRONIK GMBH

Command & Control Tower „CCT“

Our innovative and customized communication and automation pillar.

Command & Control Tower „CCT“

Preface

In today's rapidly growing world of highly competitive port operators, our customers require high quality voice communications as well as command and control capabilities within the same piece of equipment.

MS Neumann Elektronik has taken on this challenge and developed a highly customizable „Command & Control Tower“ that can be fitted to our customers' individual needs.

One possible solution is to deploy a „CCT“ in an outside harbor area and another in a container loading area; automating the entire process. A good example of this application can be seen in Antwerpen where the CCT is currently in operation.

Applications of the „CCT“

- Automation of the upload & offload operation process between the crane operator and freight vehicle
- Surveillance capabilities to minimize failures during the upload – offloading processes
- Direct worker activities through end-to-end communications between the control center and freight vehicle
- Facilitate corrective actions by means of communications between the control center and freight vehicle.



Command & Control Tower „CCT“

The „CCT“ can display the following information

- Freight vehicle is in the correct position.
- Freight vehicle driver needs to reposition the vehicle.
- Freight vehicle driver is to exit the vehicle and register with the „CCT“.
- Upload – offloading procedures have begun.
- Upload – offloading procedures have ended. Driver can exit the loading area.

To ensure optimal usage of upload – offloading space a „CCT“ can be deployed at two separate uploading-offloading stations; assisting in the simultaneous clearing of two freight vehicles. In this scenario operations would be controlled through a customer operated computer maintained within the control center.



Command & Control Tower „CCT“

At our customers request the voice functions of the „CCT“ can be configured in half duplex or full duplex mode, IP network functions can also be used to transmit voice data. The „Command & Control Tower“ is constructed, sold and shipped from our company headquarters.

The functions of the „CCT“ can be adjusted to meet the specific requirements of customers in the Railroad Traffic industry. If the required interfaces are provided the „SPS“ controlling can be done by us or by our customers.

Special Features:

The LED Fields are illuminated by homogenous lamps.

The following drawing shows the functions of the „Command & Control Tower“ as it is deployed in Harbour Applications.



Driver requested to exit the Vehicle
„LEAVE CABIN“ blinks

Emergency Stop of Up-Offloading
operations

„P“ green:
Driver is in the correct position
„P“ red:
Driver must reposition vehicle

Truck Handling green:
Start of Up-Offloading operations

Exit green:
Operations ended.
Driver can exit the loading lane

Push to Talk Button

Driver registration; driver has exited the vehicle





**Talk to us -
If you wish to speak with each other**

