



**Arab Academy**  
for Science Technology & Maritime Transport



**SIEMENS**



*Online Course between*

Port Training Institute - Siemens - General Electric

*Agenda*

**OPS**  
**Onshore Power Supply**



8<sup>th</sup> - 12<sup>nd</sup> January 2022 Online

# OPS

## Onshore Power Supply

**Day 1** Sunday 08<sup>th</sup> January

Cairo Time (GMT +2)

10:00

Course Opening

**Prof. Alaa Morsy**

Dean, Port Training Institute, AASTMT.

**Ms. Atheer Osama**

Senior Business Development & Strategy  
at Siemens

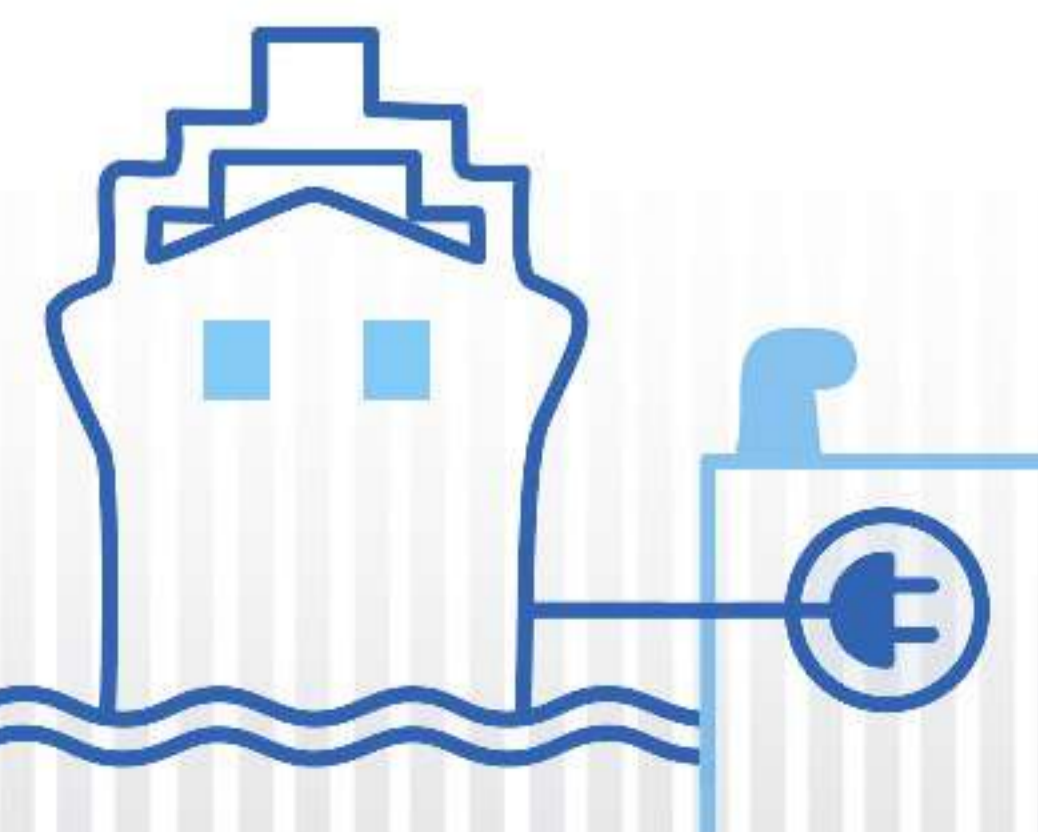
**Ms. Michaela O'Donohoe**

Strategic Growth Leader at G.E

- Welcoming Ceremony.
- PTI Presentation
- Siemens Presentation
- GE Presentation

10:30 – 10:45

Break



# OPS

## Onshore Power Supply

 **Day 1** Sunday 08th January

Cairo Time (GMT +2)



Eng. Adel El Hadary  
Onshore Power supply Expert

10:45 – 11:45

### First Session

Topic:

- OPS Standards and Regulations

11:45 – 12:00

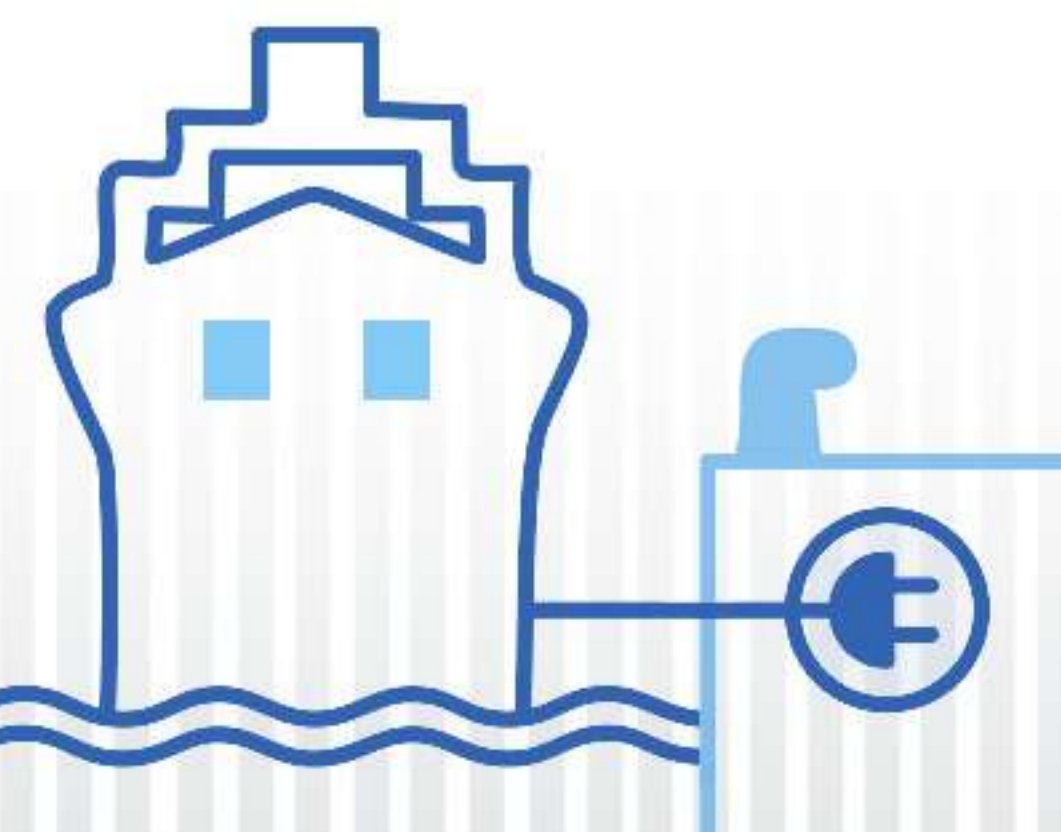
### Break

12:00 – 02:00

### Second Session

Topic:

- System Design Requirements
- Onshore Power Supply (OPS) With green ports and hybrid electric ships



# OPS

## Onshore Power Supply

➤ **Day 2**

Monday 09<sup>th</sup> January

Cairo Time (GMT +2)

10:00 – 11:30

### First Session

Topic:

- Electric Propulsion System of Ships.

11:30 – 12:00

### Break

12:00 – 01:30

### Second Session

Topic:

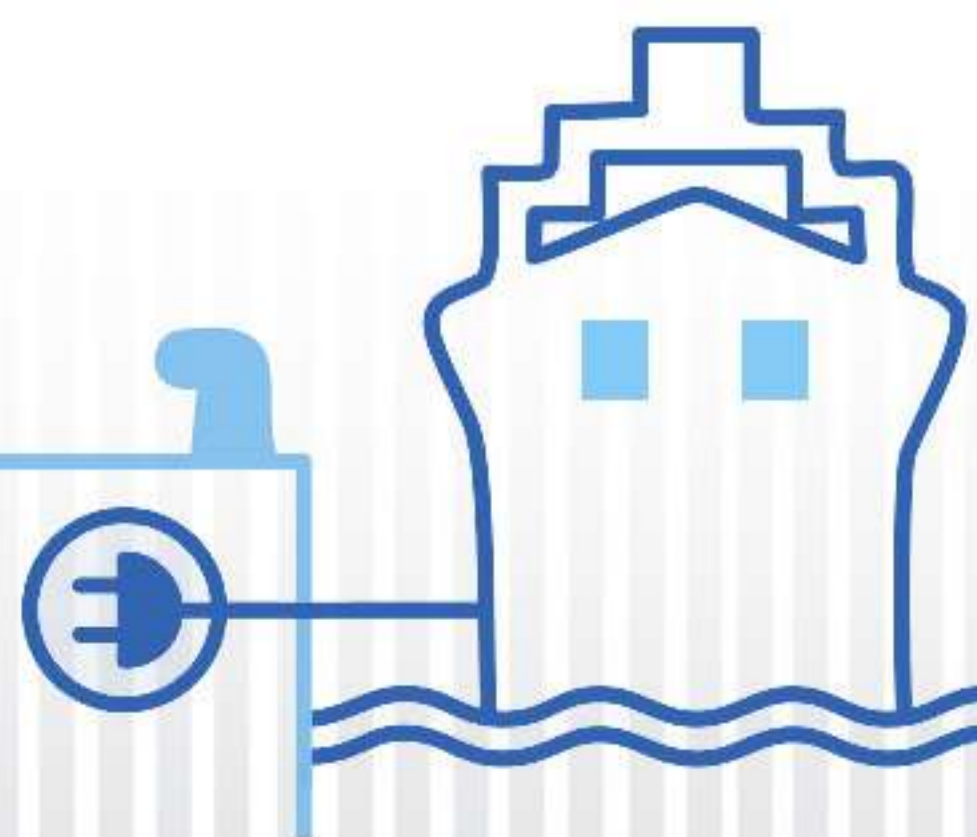
- Electric Drives for Marine Industry - Theory, Operation and Applications.



**Prof. Hussein Eldessouky**  
Prof. of Electric Power Systems  
Electrical and Control Engineering  
Dept.. AASTMT



**Prof. Walid Ghoneim**  
Head of Electrical & Control Engineering  
Dept. AASTMT



# OPS

## Onshore Power Supply

▶▶ **Day 3**

Tuesday 10<sup>th</sup> January

Cairo Time (GMT +2)



**Dr. Ahmed Abdulaleem**  
Engineer of Electrical and Control  
Damietta Port Authority.

10:00 – 11:30

### First Session

Topic:

- Operational Equipment and Requirements for Shore Connection

11:30 – 11:45

### Break

11:45 – 01:15

### Second Session

Topic:

- Feasibility Study on Pricing and Legislation of OPS.

01:15 – 01:30

### Break

01:30 – 03:00

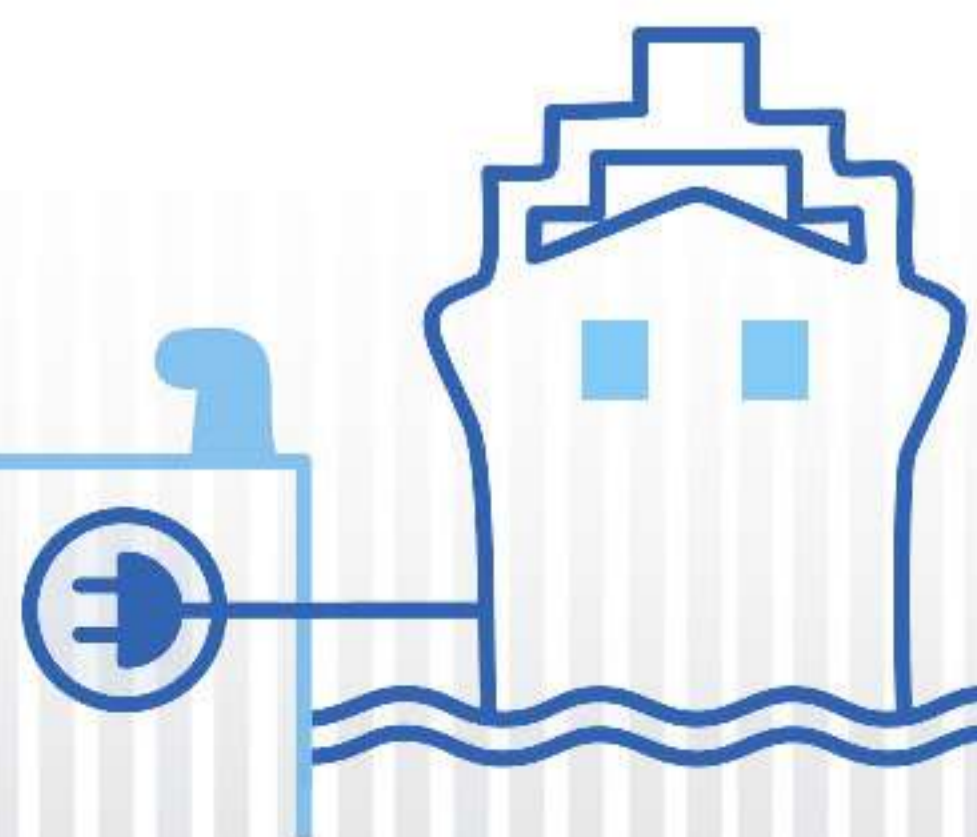
### Third Session

Topic:

- Case Study – OPS Project in Damietta Port



**Capt. Aly Assem**  
General Manager  
Port Said East Port/ SCZone



# OPS

## Onshore Power Supply

**Day 4** Wednesday 11<sup>th</sup> January

Cairo Time (GMT +2)



**Eng. Knut Marquart**  
Global Head of Siharbor at Siemens

10:00 – 11:30

### First Session

Topic:

- The Shore Connection System for the Berthed Ships.

11:30 – 12:00

### Break

12:00 – 01:30

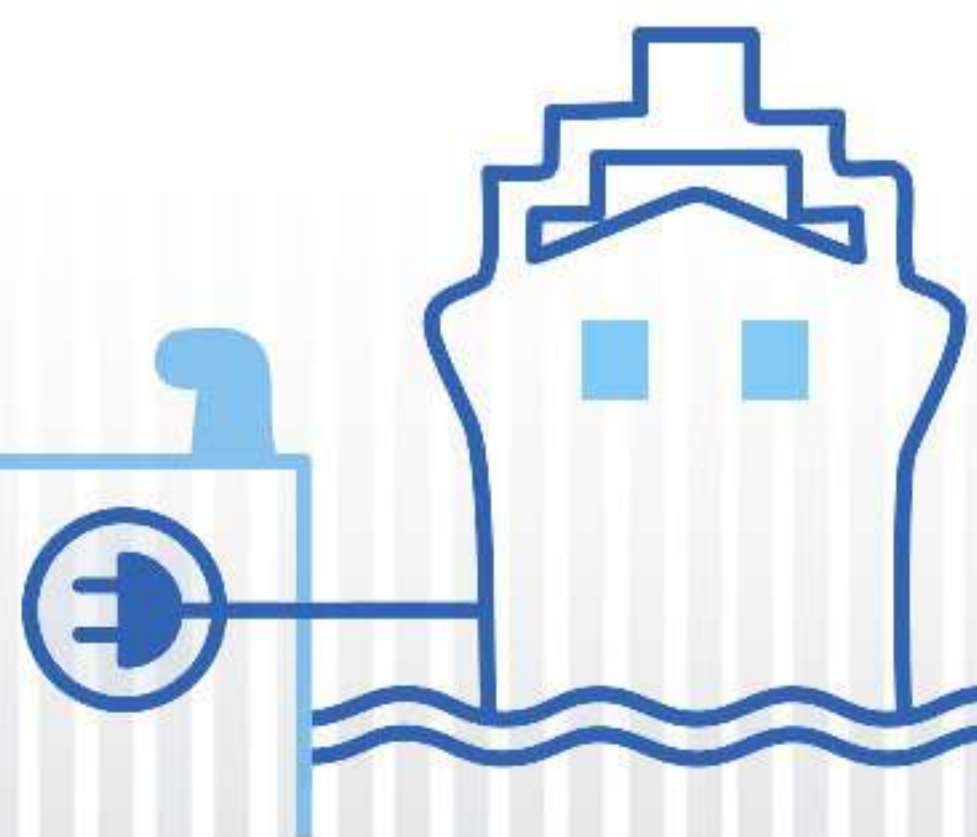
### Second Session

Topic:

- Smart Electrifications.



**Eng. Aly Sayed**  
Motion Control Sales  
Specialist at Siemens



# OPS

## Onshore Power Supply

▶▶ **Day 5**

Thursday 12<sup>th</sup> January

Cairo Time (GMT +2)

**Ms. Michaela O'Donohoe**  
Strategic Growth Leader

**Dr. Nazar Al-Khayat**  
Director, Microgrid Business Development

**Mr. Alex Lagarde**  
The Port & Rail Business Development Leader.

GE Power Conversion



10:00 – 11:00

### First Session

Topic:

- Onshore Power Supply in the Context of Energy Transition.

11:00 – 11:30

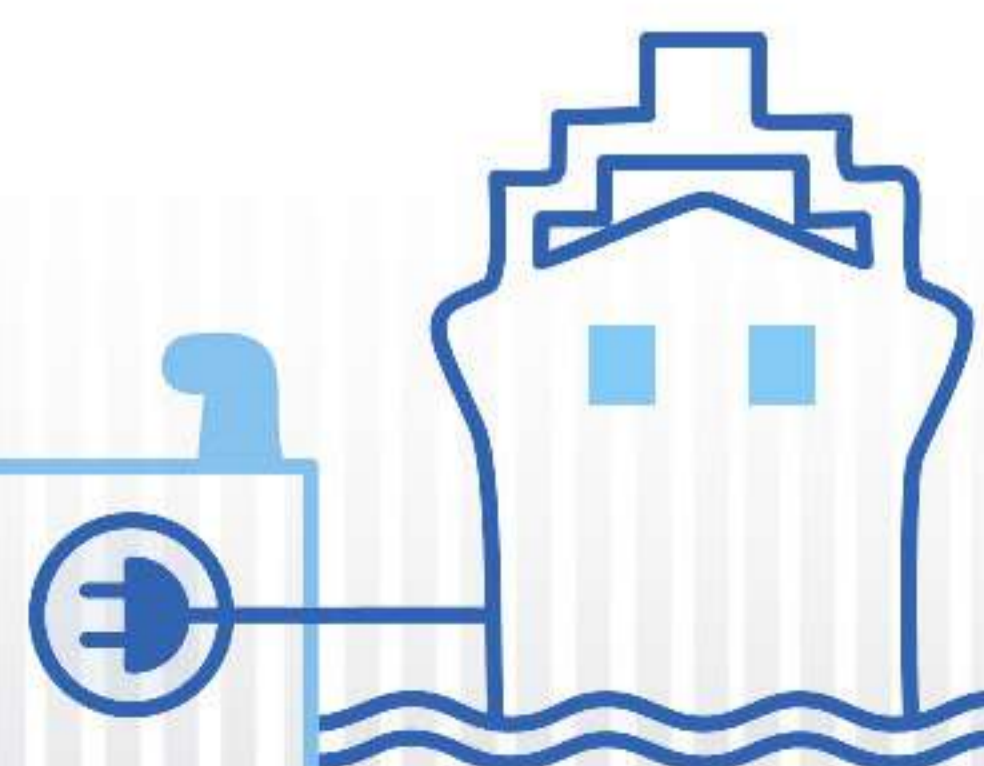
### Break

11:30 – 12:30

### Second Session

Topic:

- Energy Management and Micro-grid Solutions for Port Electrification



GE Power Conversion Team

# OPS

## Onshore Power Supply

➤ **Day 5** Thursday 12<sup>th</sup> January

Cairo Time (GMT +2)

10:00

Closing Ceremony

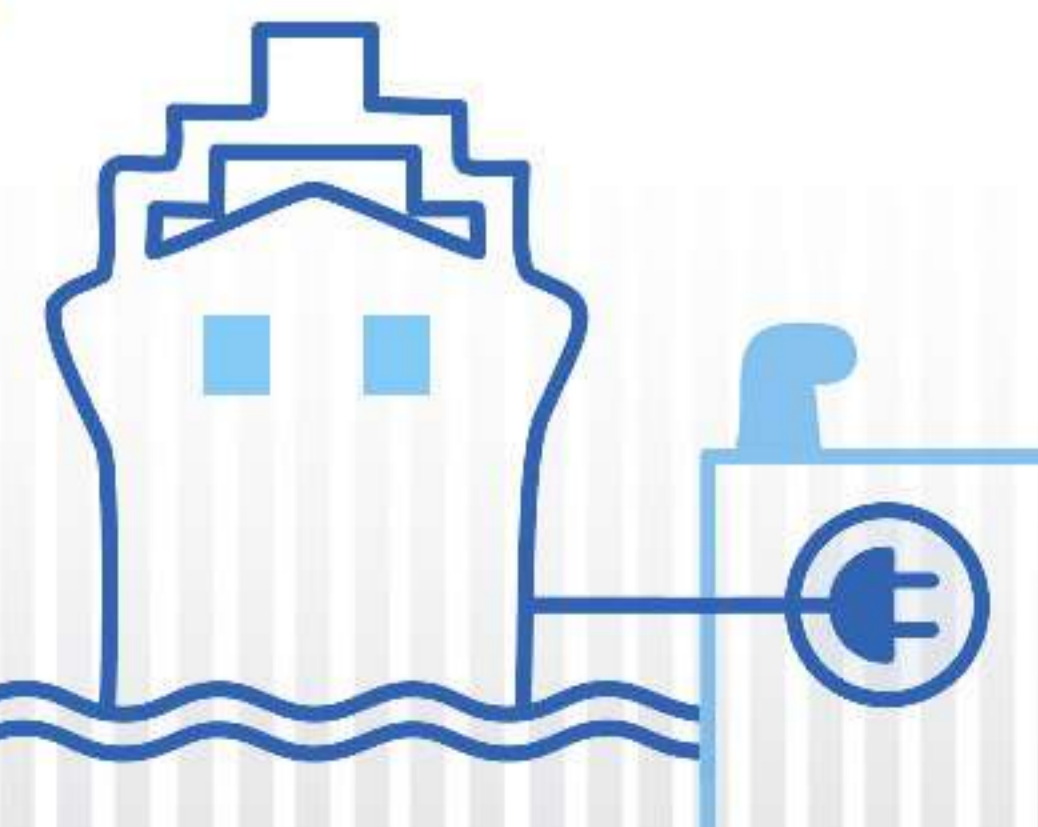
- Assessment**
- Questionnaire**

10:30 – 10:45

- Course Analysis
- Certificates
- Closing Speech



**Prof. Alaa Morsy**  
Dean, Port Training Institute







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*Thank you*

