

Competencies and Learning Methodologies for the Future

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Chairman, Global MET Association



Our world has changed



Ships have changed



1970's Cargo Ship



1980's Engine Control Room



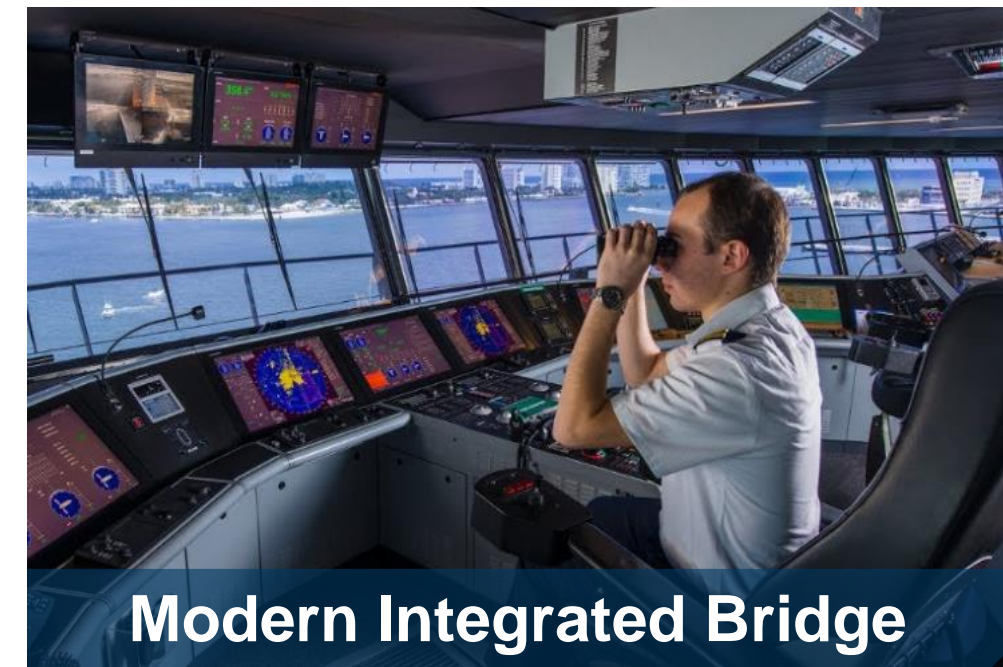
1970's Navigation Bridge



Modern Container Vessel

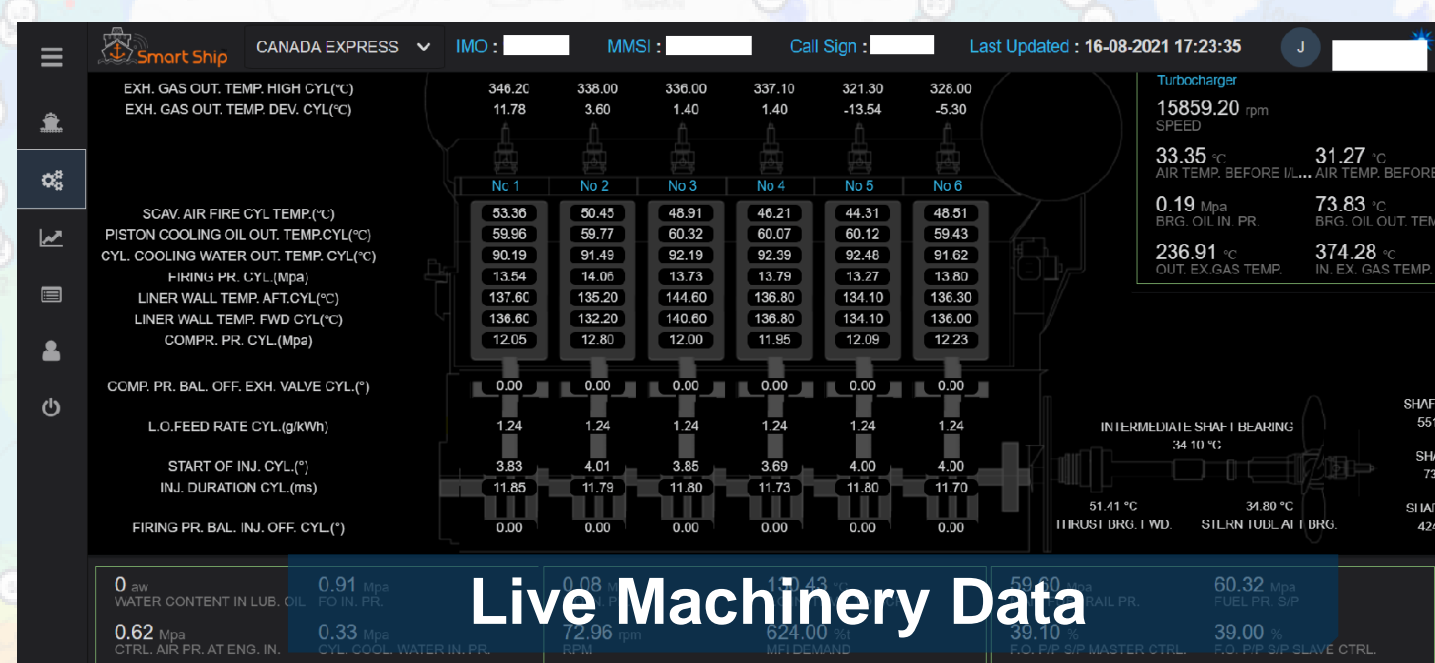
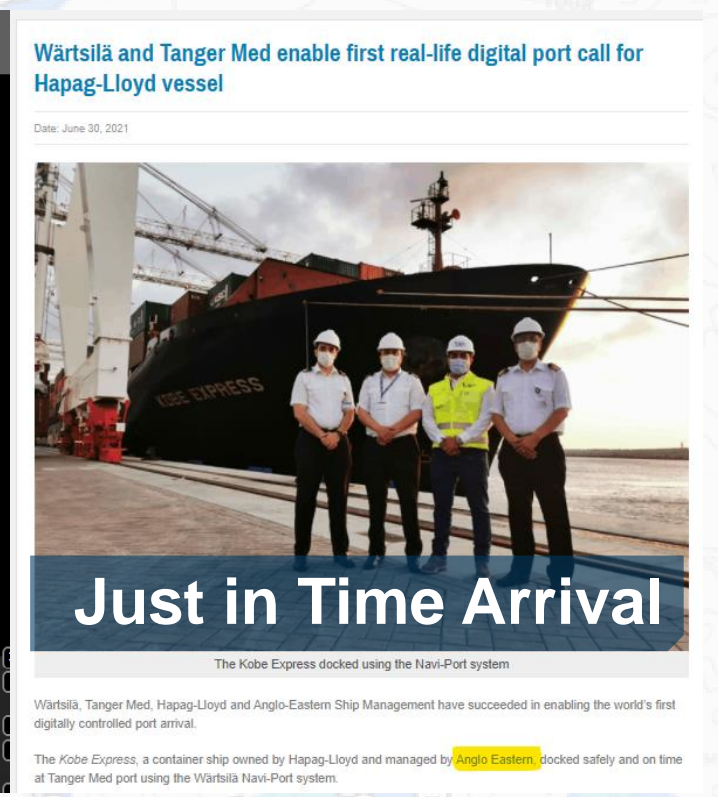
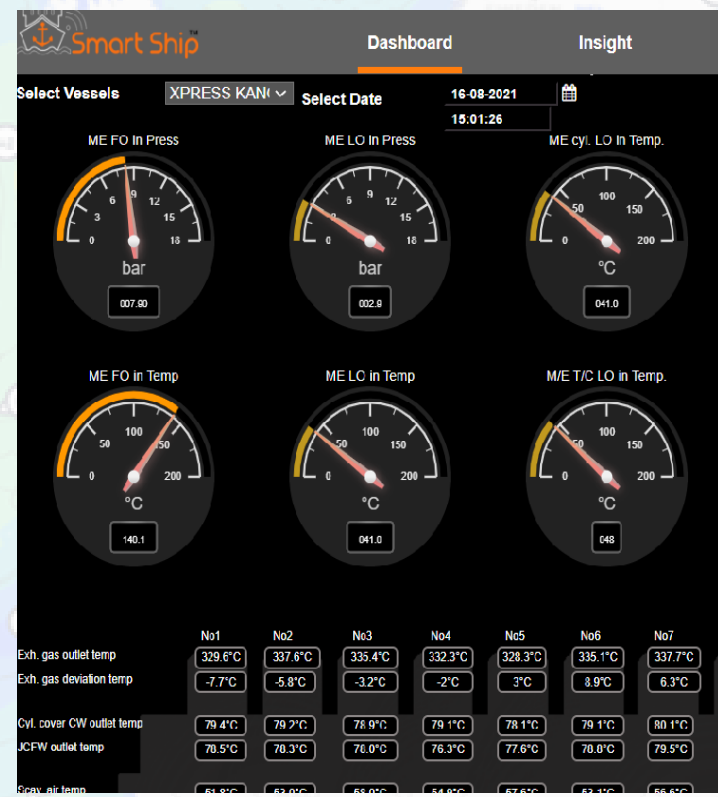
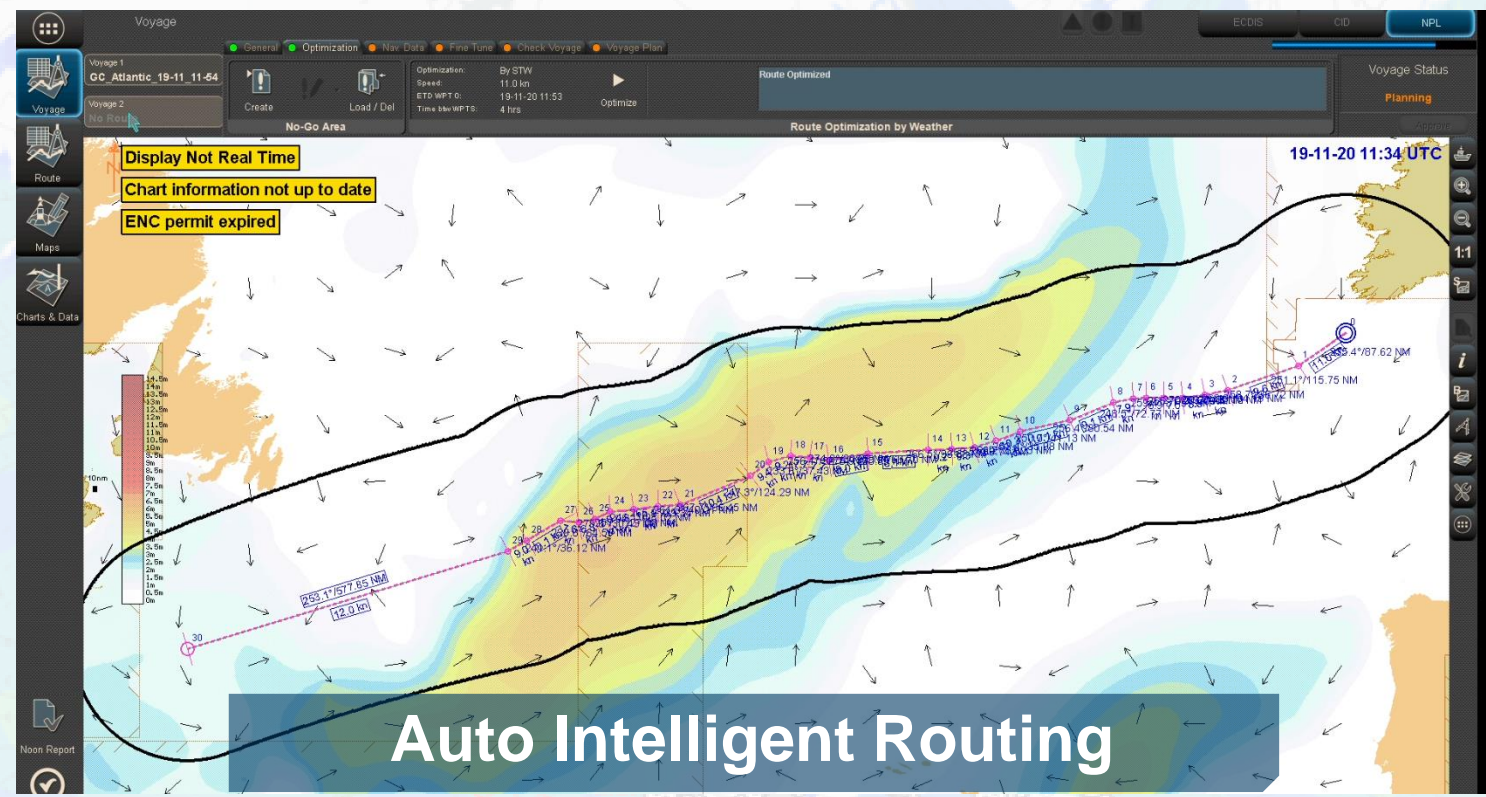


Modern Engine Control Room



Modern Integrated Bridge

Technologies have changed



How we communicate has changed



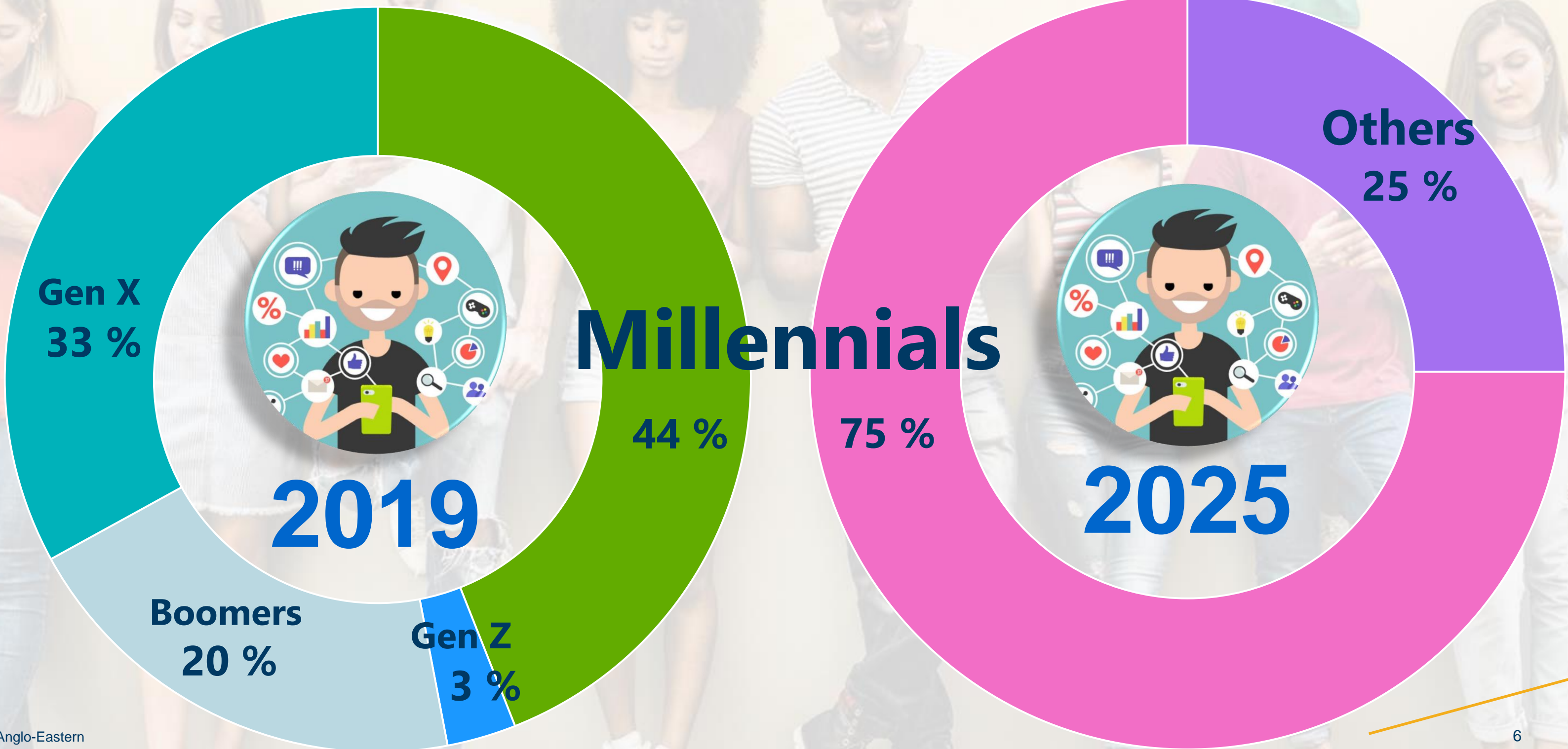
Young People in 70's



Young People Today



Our workforce is changing



Millennials



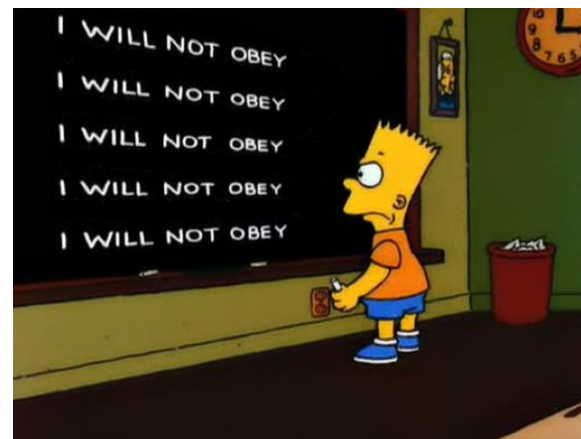
Competencies and Training required by future seafarers need to change



Qualities of millennials



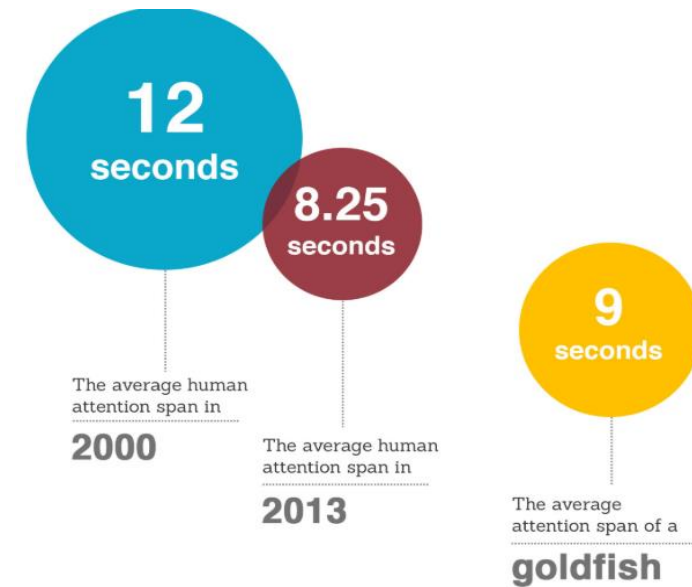
😊 Love Technology



Angry 😡 Do not like to "Obey"



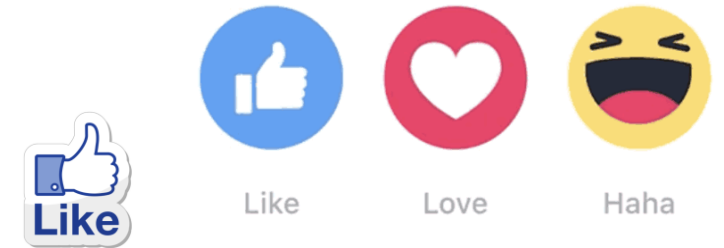
😊 Love Video Games



Source: Statistic Brain Research Institute

Source : Static Brain Research Institute

😞 Short Span of Attention



Instant Feedback



Want to know "Why?", "Before", "How" to do anything



😊 Use Blogs / Social Media



Competencies required



Ability to recognize limitations and recognize dangers of automation



Ability to process large amounts of data



Data

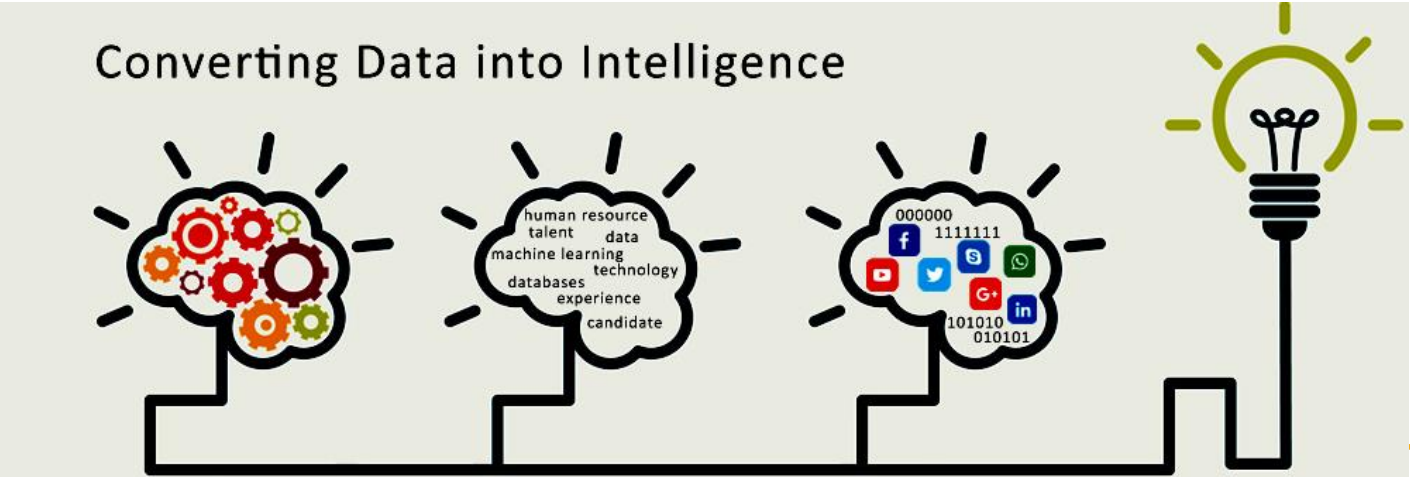


Insight



Action

Ability to have insight, recognise patterns and convert data to intelligence



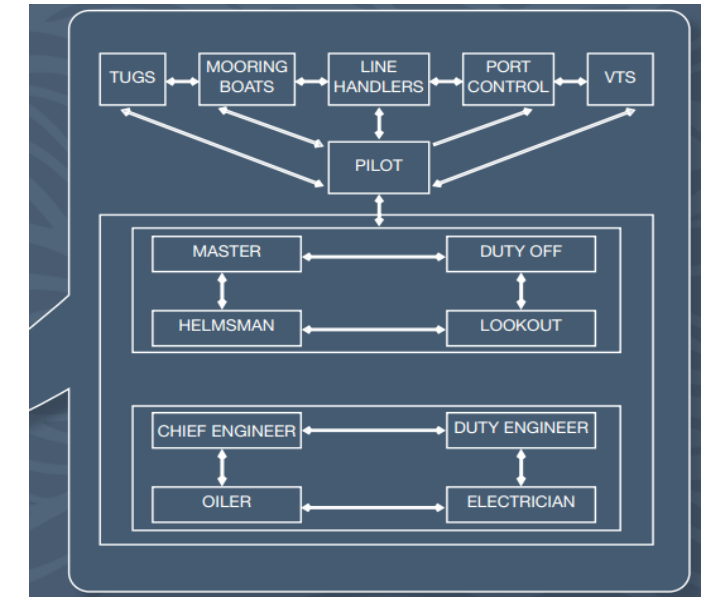
Competencies required



Ability to focus on critical issues



Ability to manage change



Ability to communicate effectively



Ability to work with remote teams



Ability to learn continuously



Ability to cope with increased stress



Ability to be a leader

Time to redesign how we teach and what we teach



Training methods must be chosen according to the learning outcomes desired and the habits of the student group

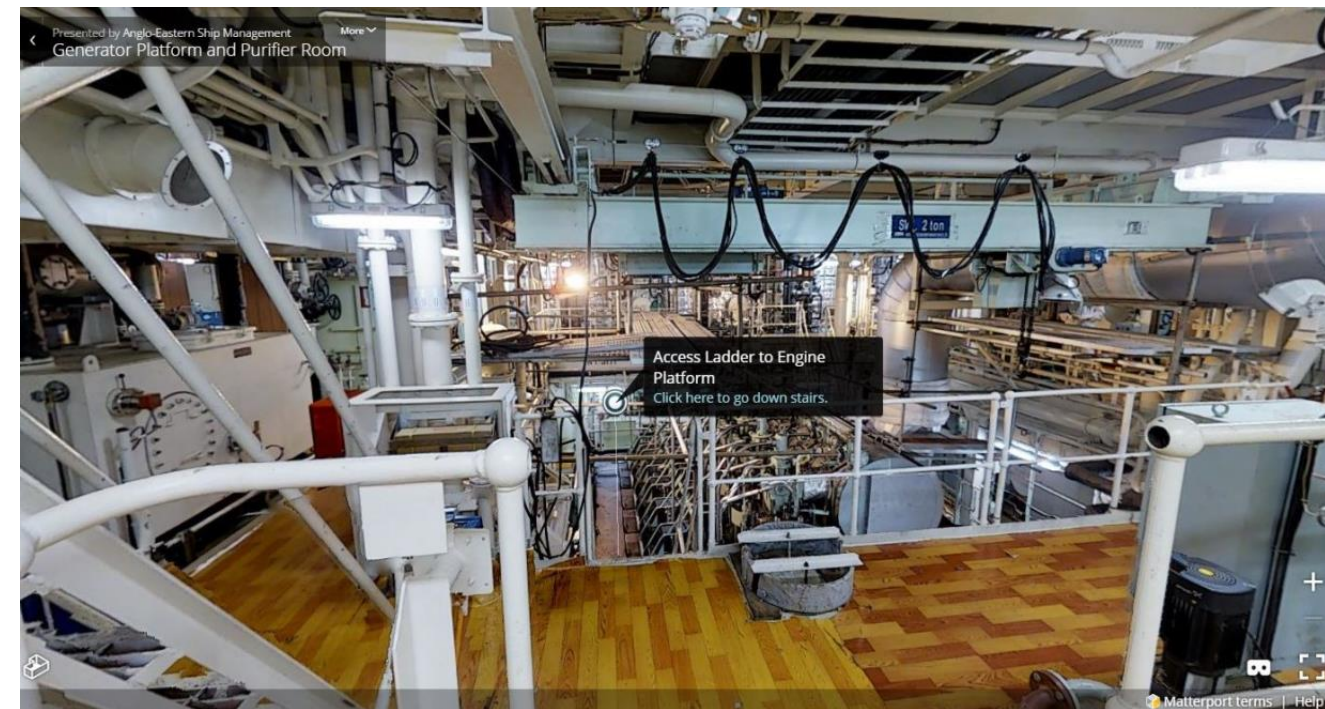
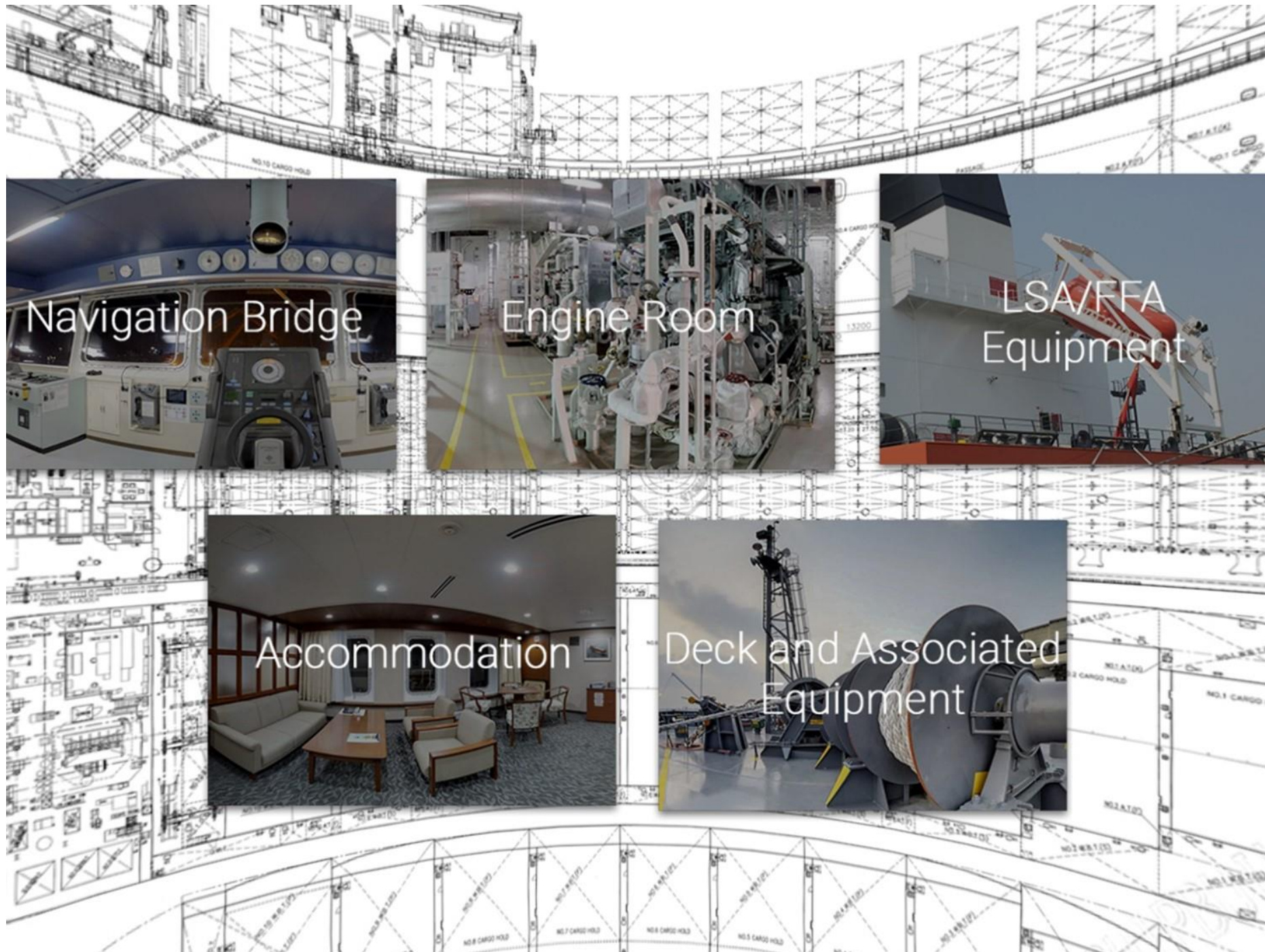


“I want you to find a bold and innovative way to do everything exactly the same way it’s been done for 25 years.”

Learning Platforms



Virtual Reality





Learning Platforms

Gaming / AE Flix

Vessel Inspector

Learn to have **Zero Deficiencies Onboard!**

Download and Play

GET IT ON Google Play

Download on the App Store

QR-Code to Download

Volume 1 | Volume 2

VINV1L1

822 / 1390

Min Time: 00:01:31 | Avg Time: 00:04:37

VINV1L2

333 / 1390

Min Time: 00:01:28 | Avg Time: 00:04:38

VINV1L3

238 / 1390

Min Time: 00:01:22 | Avg Time: 00:04:07

VINV1L4

178 / 1390

Min Time: 00:01:34 | Avg Time: 00:03:54

VINV1L5

152 / 1390

Min Time: 00:01:36 | Avg Time: 00:03:45

Logins

Leaderboard

Show 5 entries

Position	Player	Name	Rank	Volume	Level	Attempts	Score	Duration
1		SREGANESH NANDAGOPAL RAJU	Master	2	5	10	2538	00:43:24
2		AJAY KUMAR NAUHWAR	Chief Officer	2	5	10	2425	00:36:23
3		VALERIY NECHITAYLO	Master	2	5	17	2219	00:39:15
4		ALEN JOE MATHEW	Others/None Of the Above	2	5	15	2209	00:43:08
5		EDUARDO NILVSO BEDUYA	Master	2	3	9	1823	00:36:54

Showing 1 to 5 of 822 entries

ANGLO-EASTERN

Level 01

Credits: 60 | Settings | Leaderboard | Full Screen

22 / 50

Hints: 1 | Timer | Attempts: 3 | Skip

Amit Nauhwar | AE Flix

AE Games | AE Mentors | Survey | Notifications

Assigned (1/5)

LEADING THROUGH TIMES OF CHANGE

MARITIME PARTNERS IN SAFETY CONFERENCE 2021

04:44

Leadership - Safety, Huma...
Soft Skills

77 views • 332 days remaining

How You Soft Skills

65 views

<https://play.google.com/store/apps/details?id=com.marinepals.vesselinspector&hl=en>

Learning Platforms



Micro Learning

Anglo-Eastern Training
Micro Learning
Amit Nauhwar

VIRTUAL REALITY
MICRO LEARNING
GAMES
MENTORS
CADETS
CONNECT

RANK

Select a Rank

STUDENTS / USERS

Select a User


ENROLLED FOR MICRO-LEARNING / TOTAL USERS

338/ 2645

LIBRARY (COURSES)

10 (6)


Library



30%
Soft Skills

389 Views


6 Courses



0%
Health and Safety

0 Views


0 Course



0%
Navigation

0 Views

0 Course



0%
Cargo Work

0 Views

0 Course

Trending Course

Show 10 entries

Name	Course Type	Category	Views	Favorite	Watch Time
Leadership - Safety, Human Performance, Learner mindset and Wellbe	Video	SoftSkills	76	2	05h 21m 57s
Leading Through Times of Change	Video	SoftSkills	68	1	05h 55m 35s
Learner Mindset and Safe to Speak Up	Video	SoftSkills	64	1	03h 38m 16s
How You Respond Matters	Video	SoftSkills	61	1	11h 14m 40s

Students / Users Leaderboard (Initiative Score)

Show 10 entries

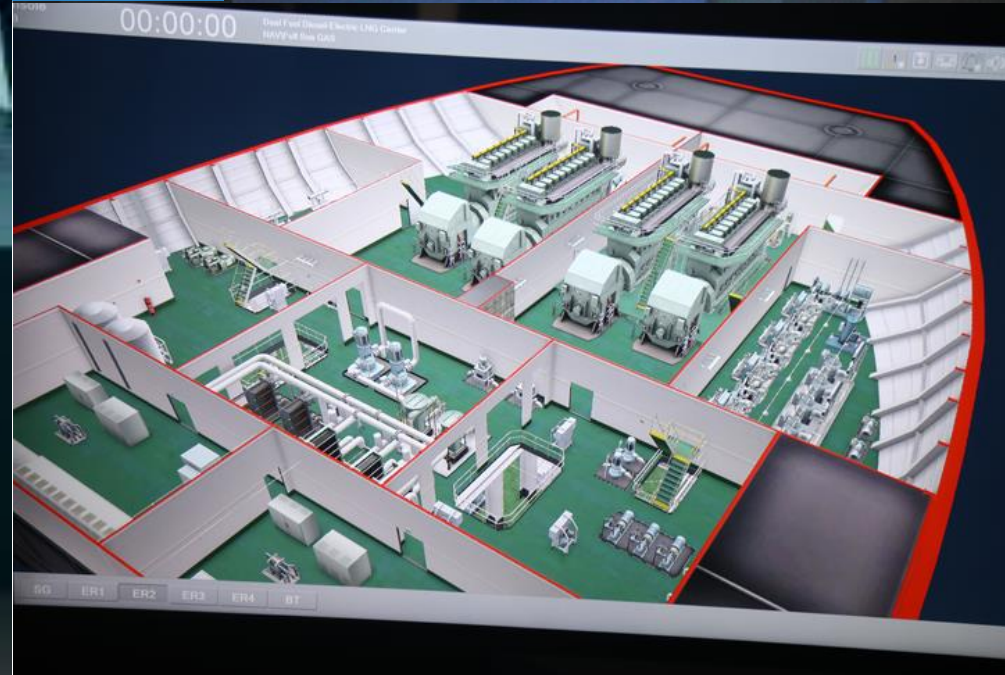
Name	Rank	Course Watched	Watch Time	Initiative Scores
Anand Dalela	Superintendent	6	04m 02s	30
Shabrez Ahmed	Superintendent	6	00m 13s	30
Samrat Biswas	Superintendent	6	22m 06s	30
Hem Kumar	Superintendent	6	41m 07s	30
Anand PALTANWALE	Superintendent	6	00m 01s	30



360° Navigation Simulator



Navigation Simulator



Main Engine Simulator



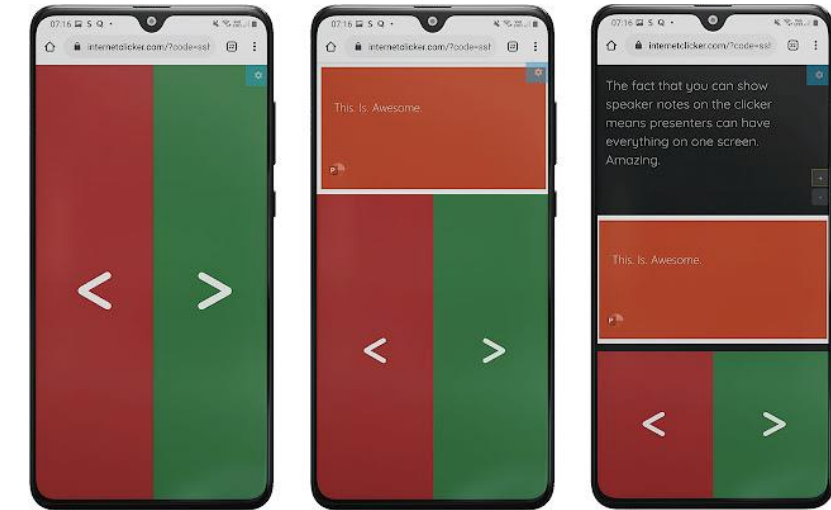
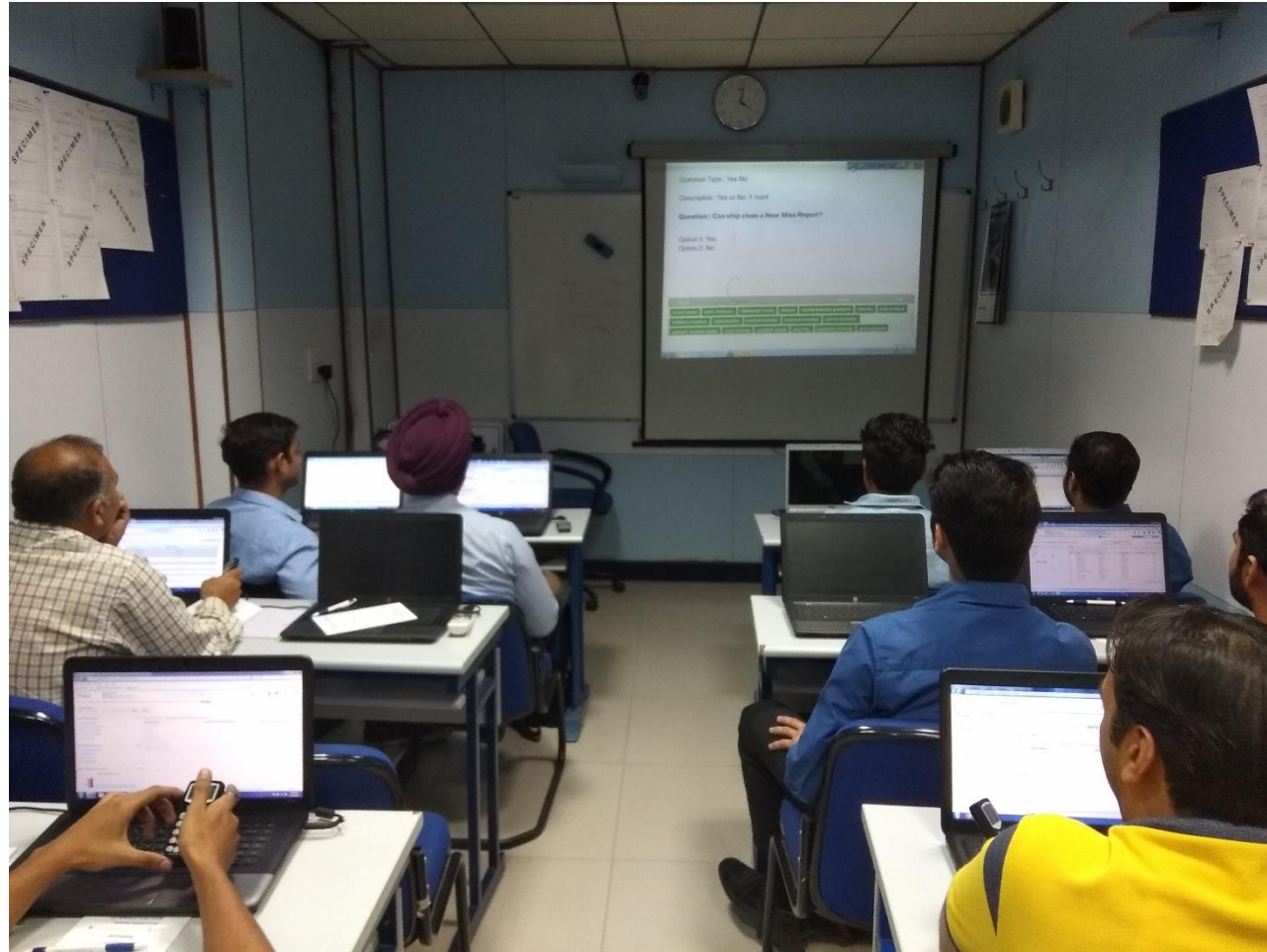
Cloud Simulator

Simulators

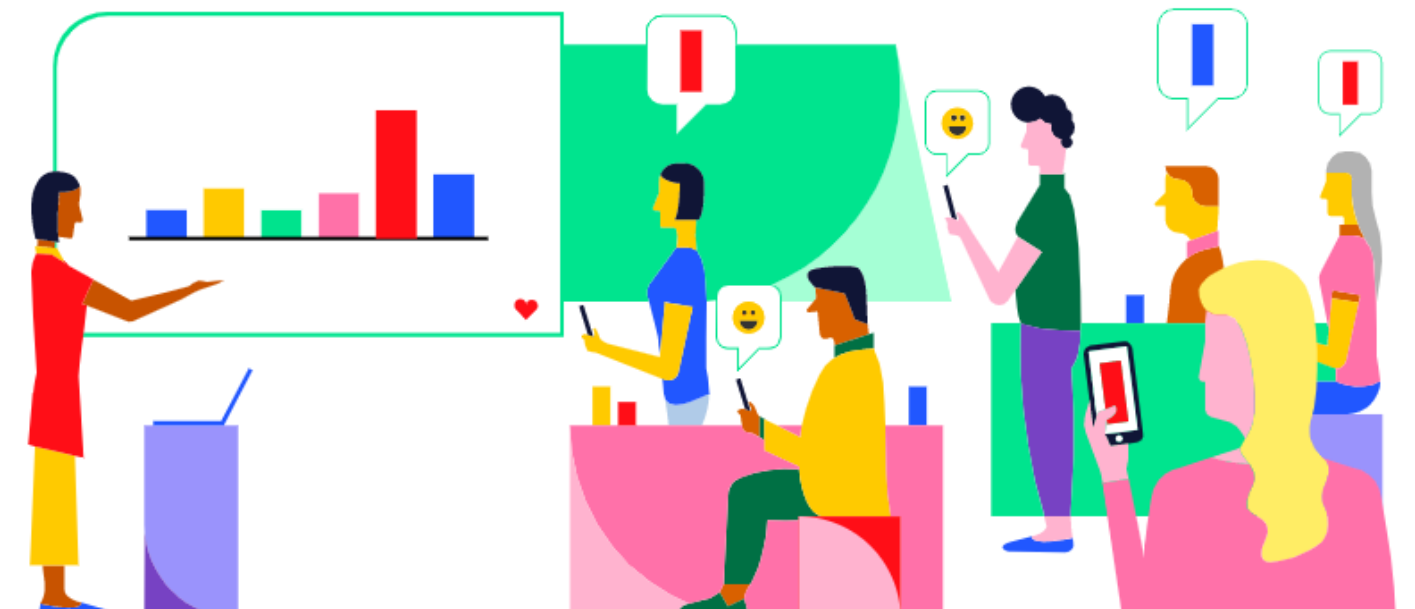
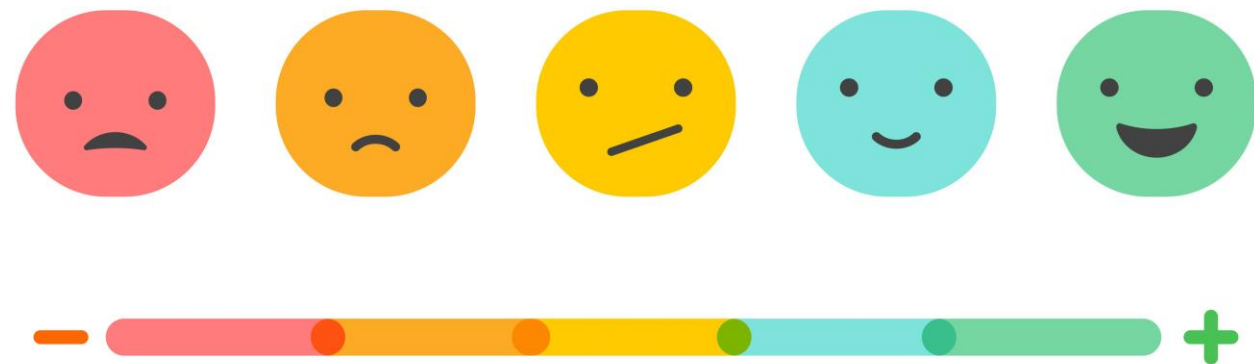


Liquid Cargo Handling Simulator

Student response system – instant feedback



Internet Clicker



Mentimeter



Hands on Training



Mentoring



Anglo-Eastern Training
AE Mentors

VIRTUAL REALITY MICRO LEARNING GAMES **MENTORS** CADETS CONNECT

Select Role: Mentee Mentor Admin

Find a Mentor

Mohit Sah
Superintendent
Haldwani, India
Mentees: 0
Willing To Mentor: 0

Know More Connect

Vinay Singh
Managing Director
Hong Kong S.A.R.
Mentees: 0
Willing To Mentor: 20

Know More Connect

My Contacts

Amit Nauhwar **Mentee**
Captain
Wan Chai

Himanshu Chopra **Mentee**
Captain

Nikhil Monga **Mentee**
Superintendent
Noida

View all

Chat

Amit Nauhwar **Mentee**
Hello

Radharaman Lath **Mentee**
Hi Radha

AMT Nikhil Monga **Admin**
Hi

Himanshu Chopra **Mentee**
Hi

Upcoming Events

Audit Ship **Management**

01/27/2021 , Mumbai - 01:21

Video Conference **Education**

08/15/2001 , Goa - 7:30 PM

Mentors Meeting **Meeting**

03/11/2001 , Goa - 3:00 PM

August 2021

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

Mentoring Request (1)

rohit mehrotra **Pending**
Superintendent
Kowloon City

Anglo-Eastern

18

Soft-skills will become even more critical



Teamwork



Communication & Influencing



Situation Awareness



Decision making



Results focus



Leadership & Managerial skills



**Alternate
Fuels**

**Big Data
and
Analytics**

Decarbonization

Robotics

More change is coming

**Digitalization –
Smart Ships**

**Advance
Rudder and
Propeller
System**

**Autonomous
Systems**



**Are you on board or are we
missing the boat?**





Thank You

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