

THE ICEBERG





Why Culture is important to an organisation?



Culture is a strategic enabler









"The only competitive advantage we have is the culture and values of the company....and we all have to own it."

Howard Schultz, CEO, Starbucks

"Culture is simply a shared way of doing something with passion."

Brian Chesky, CEO Airbnb "There's no magic formula for great company culture. The key is just to treat your staff how you would like to be treated."

Sir Richard Branson, Founder, Virgin Airlines "A hallmark of a healthy creative culture is that its people feel free to share ideas, opinions, and criticisms."

Ed Catmull, President, Pixar

Our transformation started with a Vision....



To be the trusted partner of choice for safety, security and sustainability solutions that add tangible value to our clients in a physical and digital world.



Cultural Transformation @ TÜV SÜD



Our journey....from design to delivery

Phase 1 Organise

Plan timeline, roles & success outcomes

Ensure buy in from Senior and Middle Mgt for project success



- 1.1 Project Organisation
- 1.2 Establish Steering Committee
- 1.3 Engagement and Education Workshops

Phase 2 Diagnostics & Insights

Conduct studies to identify current & desired state, gaps and root causes.

Solicit potential solutions from ground.

Level Desired Culture Values (DC) 7 6 5 4 3 2 1

- 2.1 Conduct ASEAN wide Cultural Values Assessment
- 2.2 Conduct World Café with Leaders and Key Staff (SG)
- 2.3 Conduct World Café with Leaders and Key Staff (Overseas)
- 2.4 Conduct Phone Group Interview (OS)

Phase 3 Design

Share & align results with Change Champions & Steering Comm

Design & endorse Cultural Trans. Roadmap & Values Program



- 3.1 Appoint Change Champion and Chartering Workshop
- 3.1a Workshop for finalising the "ASEAN WAY"
- 3.2 CTP SC + CC Retreat Finalise Culture Transformation Roadmap
- 3.3 Design Values Based Leadership Program for Leaders and Employees

Phase 4 Build Culture

Roll out Values Program to ensure core values are introduced & internalized by all leaders & staff.

Phase 5 & Phase 6 Country Alignment & Reassess Culture

Ensure countries are well supported in their values roll out.

Conduct CVA again to assess project success



- To have
- 4.1 Roll out Values Program for Staff
- 4.2 Roll out Leadership Program for VPs
- 4.3 TÜV SÜD ASEAN wide interventions

5. Countries' interventions

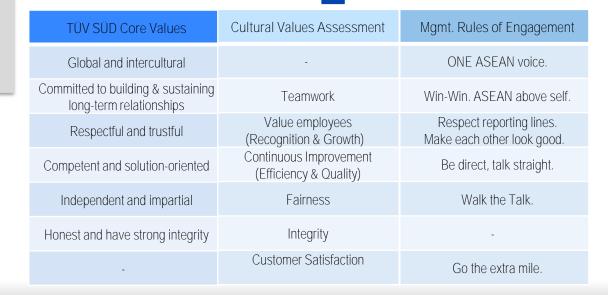
6.1 Conduct 2nd ASEAN wide Cultural Values Assessment



We developed a set of ASEAN values & behaviours

ONE ASEAN T.A.C.T.I.C	
We think and work together as ONE ASEAN team. Collaborate as a region to leverage resources, share knowledge and build expertise.	ONE ASEAN
Promote Teamwork. Work collectively to achieve our common goal.	Т
Acknowledge contributions and appreciate diversity. Treat others as we want to be treated.	Α
Have the Courage to challenge status quo. Embrace continous improvement for efficiency & quality.	С
Build Trust. Take ownership and honour our commitments.	Т
Maintain Integrity. Be open-minded, honest and objective in all that we do.	I
Understand our Customers' needs. Deliver quality service to increase customer value.	С

Harmonising our Corporate values + People values + Management values to form ONE ASEAN T.A.C.T.I.C





We carried our values across ASEAN...







TÜV SÜD LEGAL ENTITY | PRESENTATION TITLE

In summary....

- □ The "Road to ASEAN" values cascading workshop, was designed to <u>align our goals</u>, work efforts & behaviours, to the <u>vision</u>, strategies & directions of TUV SUD ASEAN.
- □ Launched as a core programme across ASEAN, it served as a good engagement platform for our Senior Management to connect and communicate with the staff
- ☐ It's objective was to initiate change, promote innovation & design thinking, provide better understanding of the ASEAN Strategy, and build support towards making our Vision a reality.

How cultural change cultivated Digital Transformation

Launch of Digital Academy in Singapore





Digital Academy Launch on 19th June 2018

Digital Academy is our new e-learning platform:

- Equipped with user-friendly navigation & interactive multimedia courses which provide individuals with the ease of self-paced learning
- Provide a platform for organisations to upscale skills of their employees







Digital Academy: E-Learning

E-Learning Programmes	No. of Registrants
5 Whys	184
EU General Data Protection Regulation (GDPR) Awareness	83
Fishbone Method	178
IATF 16949:2016 Automotive Quality Management System Overview	60
ISO 14001:2015 Environmental Management System Awareness	103
ISO 22301:2012 Business Continuity Management System Awareness	86
ISO 45001:2018 Occupational Health and Safety Management System	115
ISO 9001:2015 Quality Management System Awareness	152
Safe Handling of High Voltage Systems in Motor Vehicles	40
Grand Total	1001

4.1 What did you like best about this e-Learning course?

"Easy to navigate, understand" - Johannes Bier

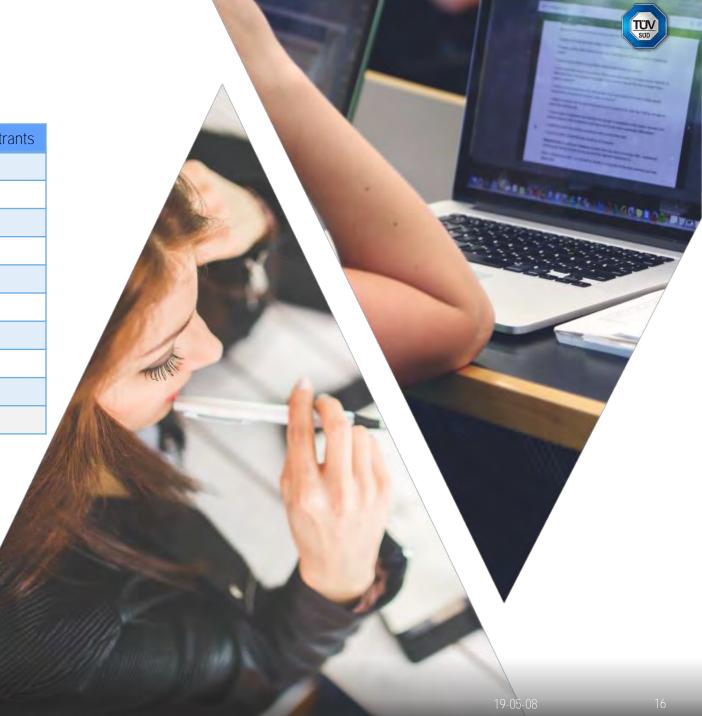
"Flexible and short duration to learn the core subject" - Meng Tak Kiau

"It's quite convenient to study " - Minh Nhat Phan

4.2 What did you like least about this e-Learning course?

"Too short?" - Nur Shahirah Hassan

"No review after completion" - Tung Nguyen



Showcasing our Digital Expertise at events and workshops

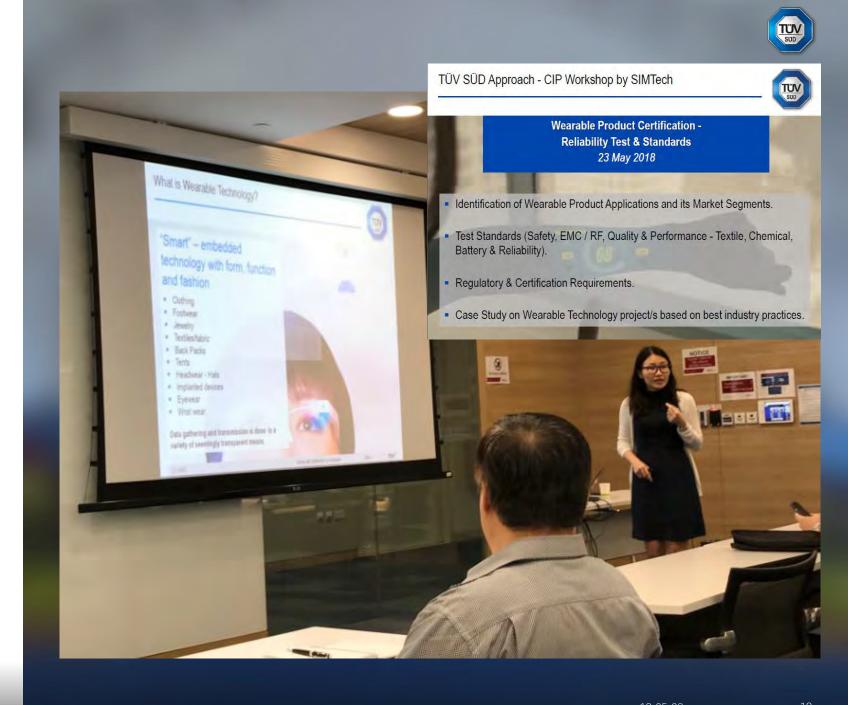
ICS Cyber Security Conference

- Business Assurance (BA) Cyber Secutity Services (CSS) participated in the conference together with the Centre of Excellence (COE) team
- Objective was to showcase our Cyber Security capabilities within the ICS / Operational Technology field
- TÜV SÜD PSB also shared about its Cyber maturity assessment models, our IEC 62443 certification and consultancy services.





- TÜV SÜD participated in CIP Project Kick-off Seminar (28 Feb) & CIP S14 Technology Workshop (23 May) on "Wearable Product Certification – Reliability Test & Standards".
- Chua Su Chen, AVP, EEC presented on TÜV SÜD's testing expertise & certification for wearables.



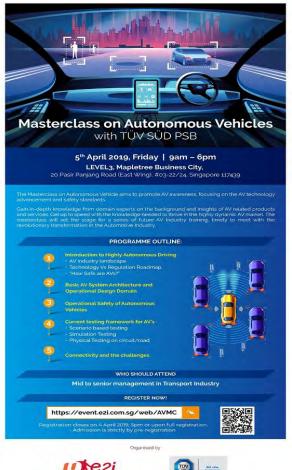


EV & AV Masterclass for transport and logistics companies

Electronic Vehicles (EV) & Autonomous Vehicles (AV) Masterclass

- TÜV SÜD Digital Academy collaborated with the Employment & Employability Institute (e2i) of Singapore to roll-out 2 Masterclass workshops for transport & logistics companies, industry associates and Govt. agencies in Singapore.
- TÜV SÜD Global Experts, Mr Volker Blandow (Global Head of E-Mobility) & Dr. Houssem Abdellatif (Global Head Autonomous Driving and Advanced Driver-Assistance Systems (ADAS) were invited as keynote speakers for each respective workshop.







Supervisory Control and Data Acquisition (SCADA) Training

- In 2019, TÜV SÜD PSB Singapore was awarded the tender for the provision of Cyber Security training for a local statutory board.
- The programme aims at improving the general awareness of Cyber Security best practices by training participants on ways to respond to Industrial Cyber Security incidents.
- It is designed to help operators and engineers have a better understanding of the threatening landscape in the cyber world and know the ways to protect their critical infrastructure and data, from new vulnerabilities and emerging threat vectors.



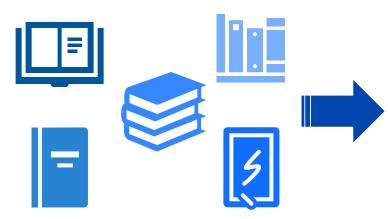


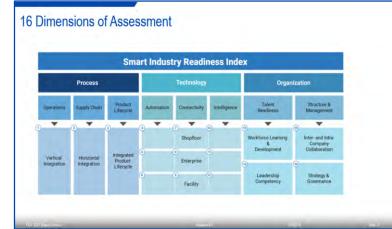
Mapping courses from Institutes of Higher Learning (IHL) to SIRI



Mapping of IHL courses to SIRI

- In collaboration with SkillsFuture Singapore, TÜV SÜD Digital Academy conducted a workshop on Mapping of IHL Courses to the Smart Industry Readiness Index (SIRI).
- The workshop aims to guide IHL's on how to accurately map their respective available courses in alignment to the 16 Dimensions of SIRI.





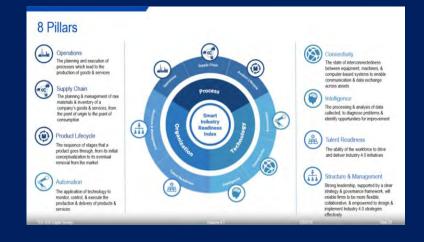
New business collaborations in the Digital World

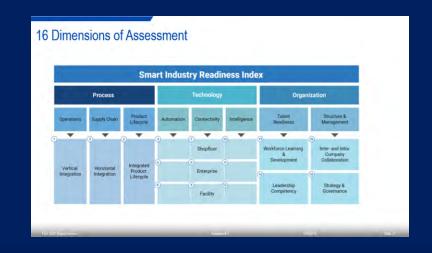


Smart Industry Readiness Index (SIRI)



- Economic Development Board (EDB) S'pore, appointed TUV SUD, Digital Services, to help develop a diagnostic tool which companies, across all industries & sizes, could use to,
 - better understand Industry 4.0,
 - evaluate the state of their facilities.
 - and architect a comprehensive transformation roadmap to deliver sustained value for their business.
- SIRI is the world's first Industry 4.0 tool to catalyse the transformation of industrial sectors during in this 4th Industrial Revolution.







First certification body to embark on ISASecure® ISA/IEC 62443 certification programme

- TÜV SÜD PSB inked an Application and Contract with the ISA Security Compliance Institute (ISCI) and the Singapore Accreditation Council (SAC) to conduct certification assessments using ISASecure certification specifications.
- TÜV SÜD PSB is South East Asia's first certification body to embark on the ISASecure® ISA/IEC 62443 Certification Program.





TÜV SÜD develops Drone Flyaway Risk test methodology

- TÜV SÜD has been requested to develop the test methodology for Drone BVLOS (Beyond Visual Line of Sight) applications in Singapore's urban environment based on Avetics use cases.
- Selected and funded by Civil
 Aviation Authority of Singapore /
 Ministry of Transport over 2 years.
 Results will be used for future
 drone regulatory considerations,
 as Proof of Concept whether 10-7
 risk is achievable for Drone
 system airworthiness criteria.







Centre of Excellence for Testing & Research of Autonomous Vehicles - NTU

We Keep Your World Moving

Land Transport Authority

Singapore has set up "Smart Mobility 2030 strategy"

- Convenient and faster travel experience
- Seamlessly connected transportation system through state-ofthe-art ITS technologies
- Access to a variety of real-time information on-the-move
- Safer travelling, also for the elderly and mobility-challenged
- Sustainable and environmentally friendly land transport

Strategies:

- Implement innovative and sustainable smart mobility solutions
- Develop and adopt ITS standards
- Establish cooperations with private sector

Autonomous bus for a mass transport service that operates on fixed routes and scheduled timings.



AV Fix and scheduled public transport for decreased manpower needs



AV Mobility-on-Demand for car-light living

AV Mobility-On-Demand for point-to-point travels using a network of demand responsive shared vehicles

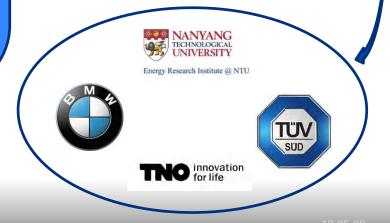
AV Trucks for movement of goods on expressways during night time.



Truck Platooning for decreased congestion

CFTRAN

- Development of AV Safety testing methodology and best practices in line with technology readiness in:
 - Vehicle technology
 - Evaluation & Testing technology
 - Technical legislation
- Short term targets: CETRAN AV FUNCTIONAL SAFETY PROJECT
 - Enable pilot projects for AV car sharing, robo-taxis
 - Create confidence and public acceptance
- Long term targets: STANDARDIZATION, REGULATION
 - Determine standards for Autonomous Vehicles in Singapore
 - Early adoption of the AVs in line with technology readiness
 - Adopting regulations to the new technology



Developing Leaders & Experts for the Digital Workplace



Leadership & Expert Development Programmes

Fit4Digital



24 participants at Fit4Digital Run 3 Module 1 in Singapore 30 May – 1 Jun 2018



Group Work – Participants working on case studies











Smart Industry Readiness Index's (SIRI) Workshop, 15th May 2018









 Gearing towards Industry 4.0 initiative, ASEAN CEO, Mr Richard Hong, mooted the SMART readiness index assessment to compare TÜV SÜD PSB against the Smart Industry Readiness Index's (SIRI) 16 dimensions framework in order to ascertain our strengths and areas for readiness improvements.



Fit for Digitalisation!....Together into the digital future!

Global Intranet

Developed by Global HR & Digital Service, CoE, the Digital Learning page offers:

- e-learning module
 - digitalisation at TÜV SÜD
- Learning nuggets
 - articles & short videos
- Glossary
 - digital concepts and terminology

HUMAN RESOURCES ◆ Back to **Digital Learning** TÜV SÜD goes digital Learning Nuggets Glossary

23.04.2018, last change 23.07.2018

DIGITAL LEARNING

Fit for Digital Transformation!

Digitalisation affects us all and will have an increasing impact on our daily lives and work. We want to benefit from the opportunities offered by digitalisation and lead our company into the digital future together.

On this page you can find an e-learning programme about digitalisation at TÜV SÜD, short video learning nuggets and articles about digital technology topics as well as a glossary.



TÜV SÜD GOES DIGITAL



The e-learning »TÜV SÜD goes digital!« presents current digital TÜV SÜD projects as well as our corporate strategy for digital transformation. > More

LEARNING NUGGETS



Industry 4.0, Artificial Intelligence, Cybersecurity... you would like to find out more? Here are short video learning nuggets and articles. > More



Short definitions of digital concepts and technologies. > More



Thank You

