

# The digitalization strategy at TEC



- Brief overview of the strategy
- Digitization work - status and the organization at TEC
- Any need for adjustments?

# The priority focus areas of the strategy

---



## The digitalization must improve



- The development of TEC's pedagogical and didactic work
  - A continuous development of teaching skills
  - A simplification, standardisation and optimisation agenda
  - The administrative area in terms of implementation of new study administration systems, establishment of digital workflow, robotic etc.
-

- **Improvement of the quality of the education and enhancement of the learning skills**
  - **Differentiation** using IT
  - **Complementary (digital)** offerings, synchronous and asynchronous learning (webinar/video training), virtual learning on demand (24/7), simulation tools and strengthening evaluation and feedback
  - Identify digitisation opportunities in individual programmes (**support subject specialisation**)
- **The Danish Ministry's strategy of digital learning must be incorporated**
  - TEC must secure,
    - That **Digital literacy and competences** are an integral part of teaching and learning
    - That IT and digital learning resources are used in a didactic framework that supports learning and motivation (**see above**)
    - Data is used to target learning processes and the quality of education.
- **Sharing of knowledge and experience**
  - **Knowledge** sharing needs to be strengthened at TEC. This concerns both organizational processes as well as documentation and central knowledge sharing structures.
- **Systematic use of LMS (Learning Management System)**
  - Formulate requirements for LMS and equivalent pedagogical platforms and the base for future resource prioritizations



Pedagogical  
focus

## Marketing agenda - (new study administration system)

- Establishment of a comprehensive overview and an investment plan on how to system support and integrate our administrative routines both locally and centrally

## Management Information System

- Determine and describe the content in a management information system
  - The management information system must serve as a continuous communication flow (minutes, processes, etc.) and provide status messages (intake, retention, ETU results, sickness absence, key financial data, etc.).



Administrative  
focus

## In the VET education department

- **Identify the future competence** needs of students, apprentices and trainees in relation to the respective training areas of the future labour market.
- Identify the need for competence development of **trainers**
- Establish key (digital) teaching and management competences
- Implement competence development
- Develop a super-user structure that ensures anchoring in the respective educational areas.



**Competence**

## Increased digitization will strengthen the overall **quality** of the TEC as VET institution

- Focus on getting positive potentials by an increased digitization - by **increasing** the overall activity or **cost savings**
- **Prioritize** necessary investment in new technologies and necessary skills development for trainers
- **Reduce** the number of administrative and pedagogical **systems/platforms**
- Ensure that LMS and systems are interacting
- Explore the possibility of physical workshops/practical exercises, advantageously could be replaced by **virtual** workshops/ virtual exercises
- Optimized use of **classrooms (and other resources)**



Investment  
focus



- The establishment of networks and alliances - both nationally and internationally - will support knowledge sharing and the development of the overall digitization effort at TEC.
- Networking with universities, VET providers, FabLabs and the establishment of partnership with companies and industry organizations.



Focus on  
international  
relations

# Focus areas - status

## Platforms

- Uddata
- ITSL
- O365
- New structure of maps (clean-ups)

UDD@TA

its Learning



- > OneDrive
- ▼ Denne pc
- > 3D-objekter
- > Billeder
- > Dokumenter
- > Musik
- > Overførsler
- > Skrivebord
- > Videoer
- > OSDisk (C:)
- > TEC-Afd (G:)
- > NET (N:)
- > APPS (P:)
- > TEC (S:)
- > TEC-Udv (U:)
- > Netværk

## Quality and efficiency improvements

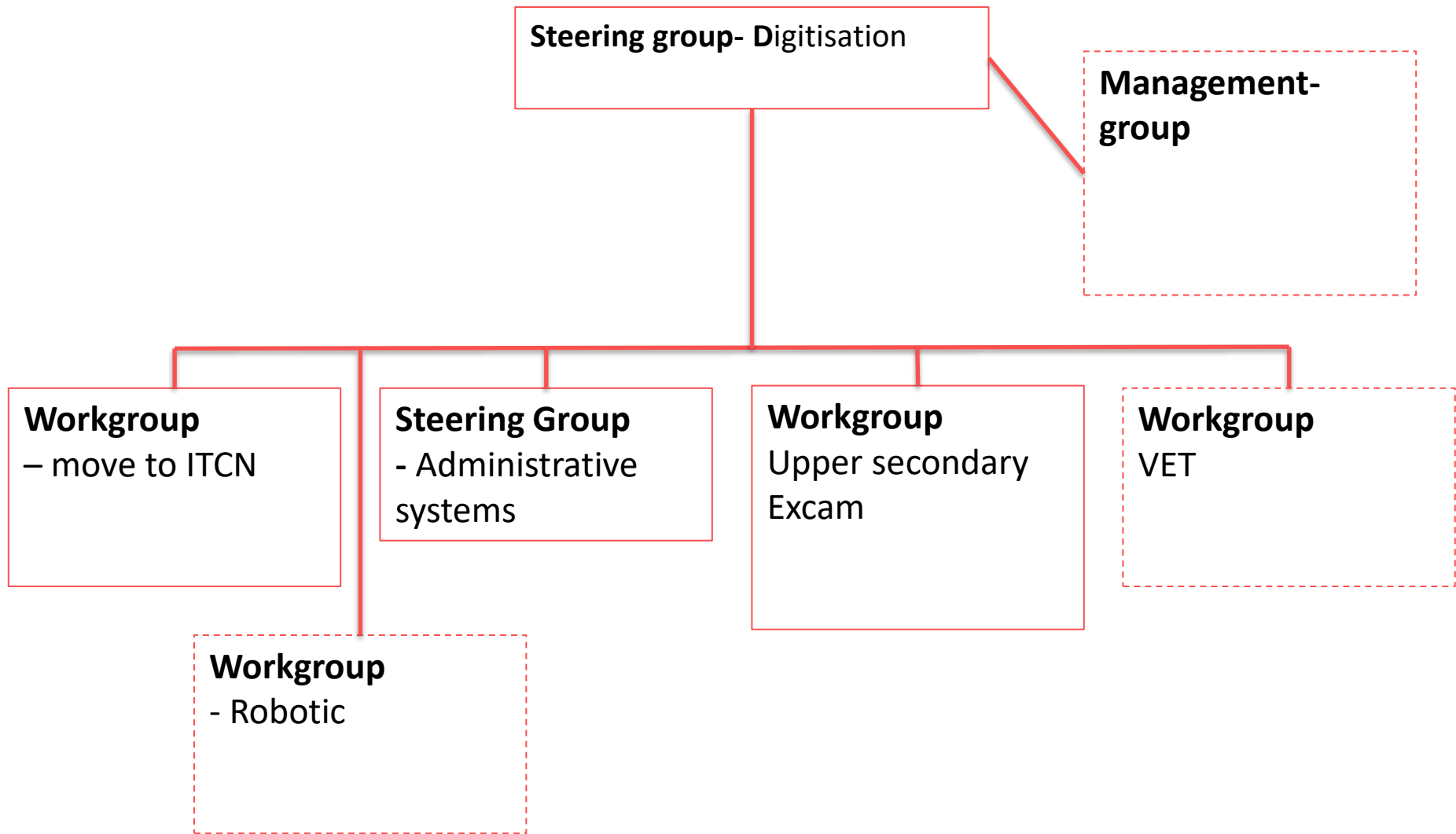
- Robotic (administrative assistants) – start ups
- Webinar (pedagogical) – Data/MTA
- E-learning - MTA
- AR/VR – (Knowledge center)

## Safety

- GDPR



# Strategic work – organization



- **The digitization strategy**
    - Is there a need for adjusting a focus?
  - **Organization**
    - Do you have the necessary overview of digital efforts?
    - Do you have an easy access to ITCN and other services?
    - Is knowledge sharing and exchange of experience working?
  - **Is there a need for new initiatives in the field of digitization?**
-

- TEC's IT and digitization strategy and actions must be framed in a **coherent** and ambitious way across **administrative** and **pedagogical** areas. A link between digitization as a **tool** and digitization as a **competence** must be ensured.
- The digitization strategy will contribute to TEC being equipped for the increasing **competition** from other vocational schools as well as new players in the field of education as a result of the accelerating digital development.
- The digitization strategy will also provide a framework for the establishment of the knowledge center.