



Deutsch-Thailändische
Handelskammer
German-Thai
Chamber of Commerce

Quality Assurance GTDEE

Dual Vocational Education from
Germany

A role model for Thailand

April 2016



Cooperative training between
companies & colleges an innovative approach
towards skill development

Be Competent. Be Distinctive. Be GTDEE.

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Deutsch-Thailändische Handelskammer
Bangkok, Thailand

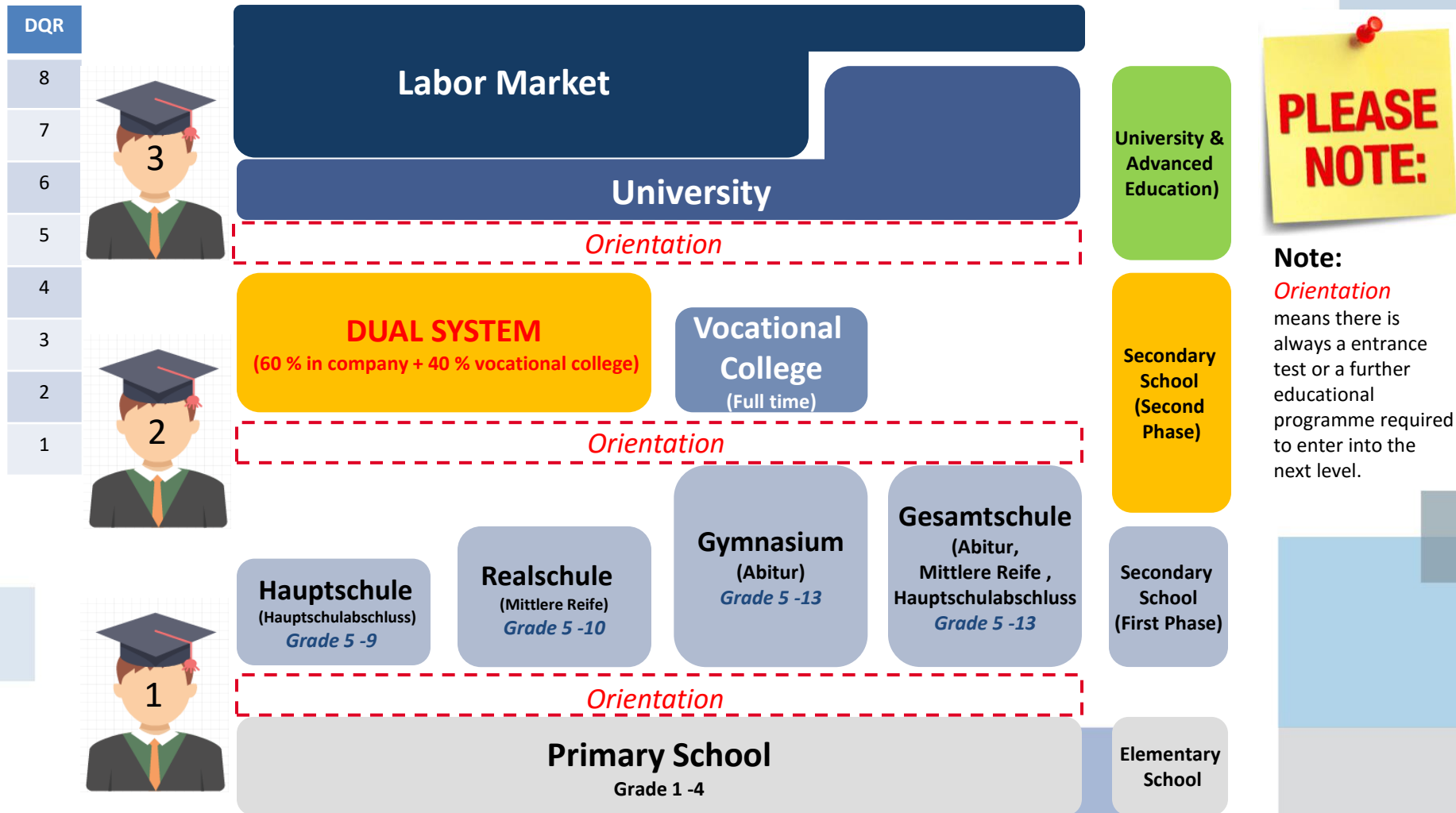
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School System Germany



Essentials in DUAL Vocational Education

The **DUAL** process made in Germany!

DUAL VOCATIONAL EDUCATION & TRAINING

Training is mainly
provided in the
company -
supported by teaching
in part-time
vocational schools



Joint Responsibility !!!
because companies are involved in
Vocational Education and Training (VET)

Company:
*3-4 days a week
on the basis of training
regulations within the
framework of a training
contract*

Vocational School:
*1-2 days per week on
average, on the basis of
a framework curriculum*

The DUAL Process

The **DUAL** process made in Germany!

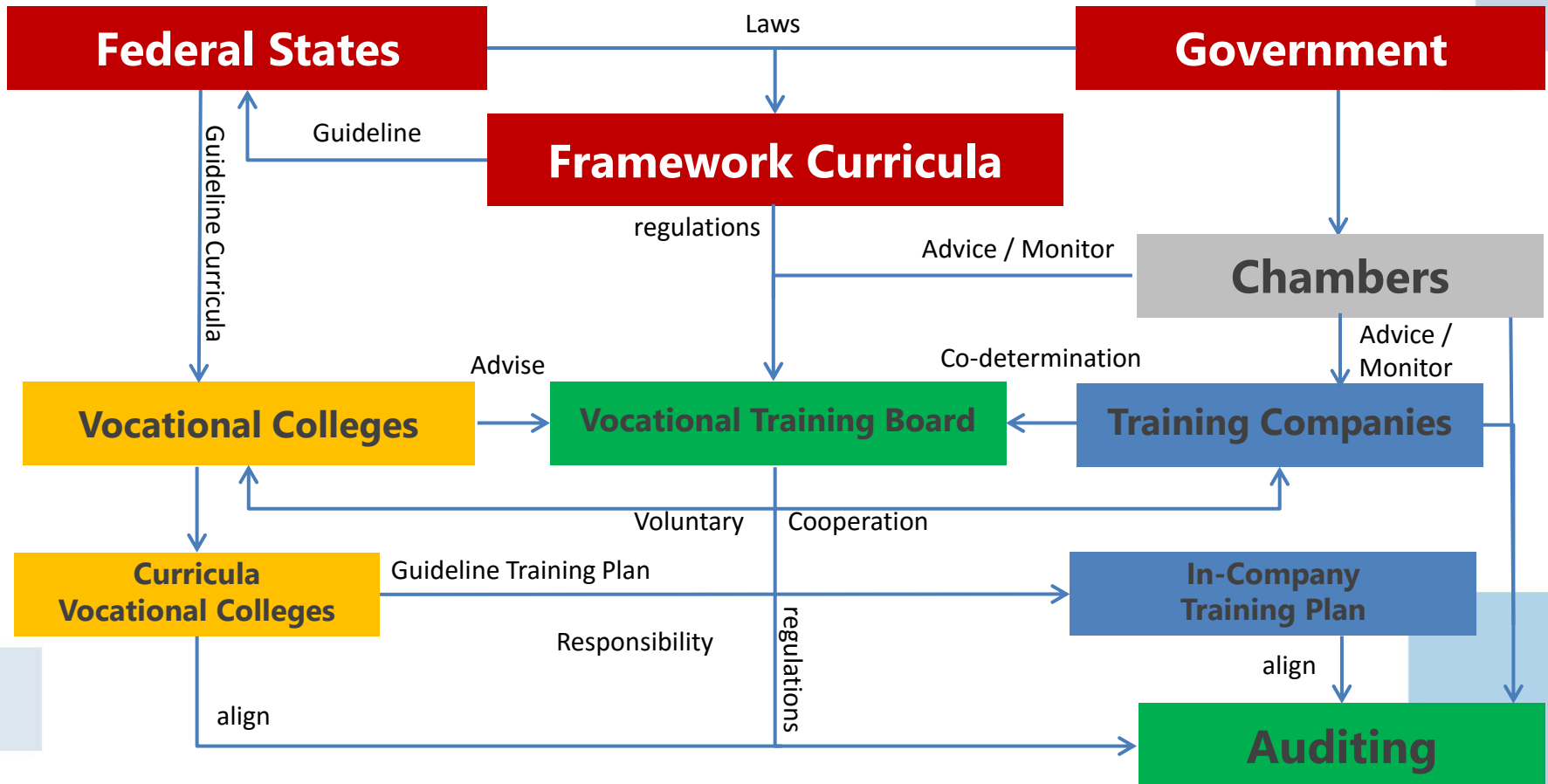


DUAL

Dual Vocational Education includes at least:

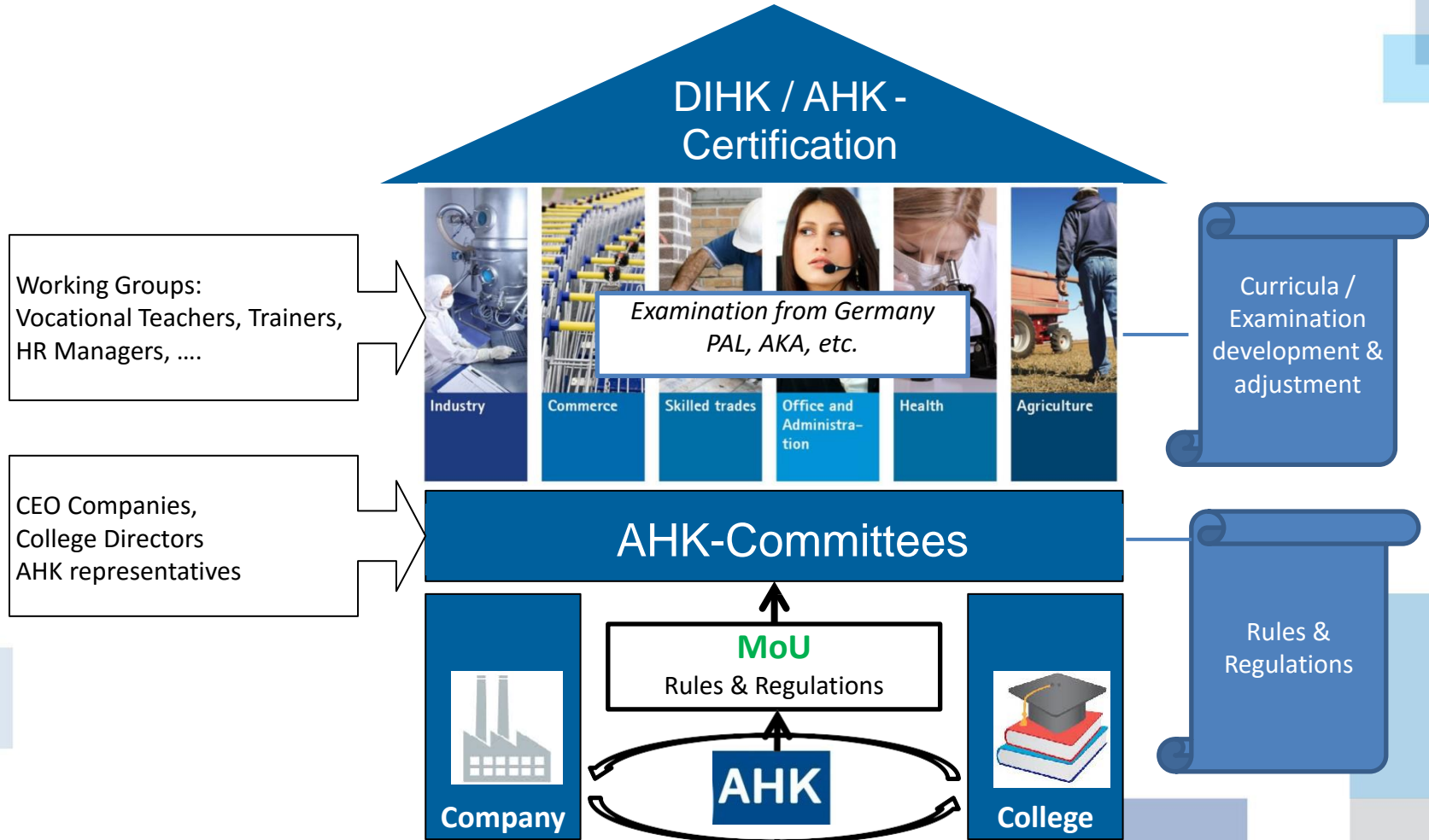
- 2 Learning venues**
- 2 Apprenticeship mentors**
- 2 Curricula**
- 2 Examinations**
- 2 Certificates**

The secret of dual vocational education

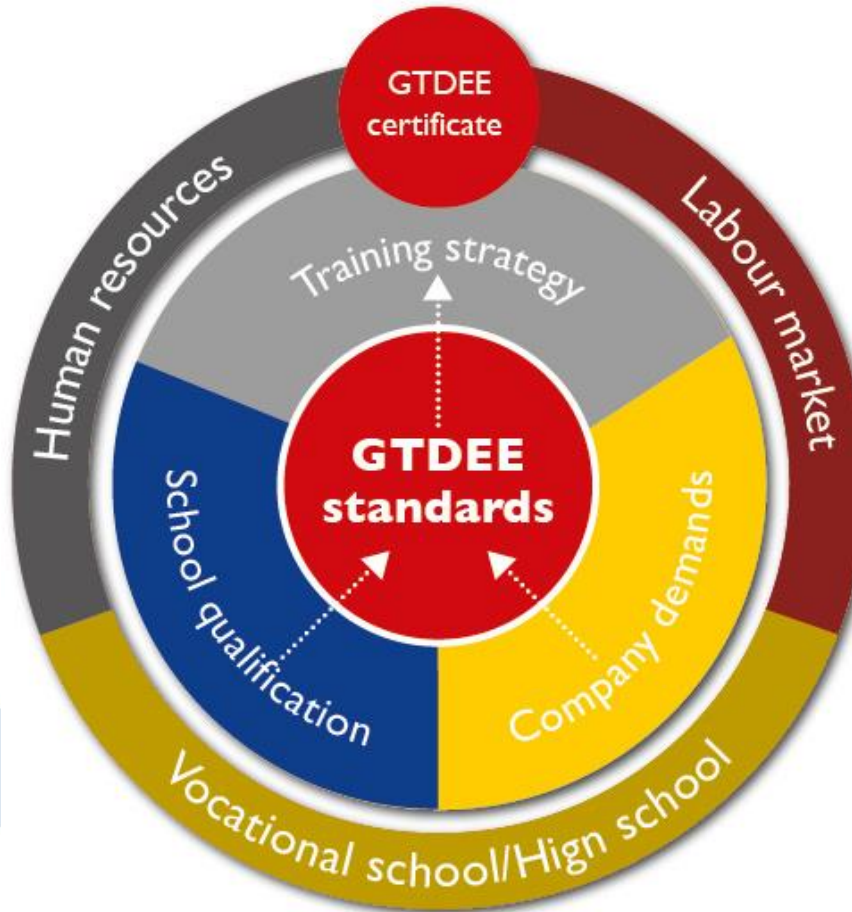


Vocational System Germany

AHK Quality Management



GTDEE Strategy



Suitability Check

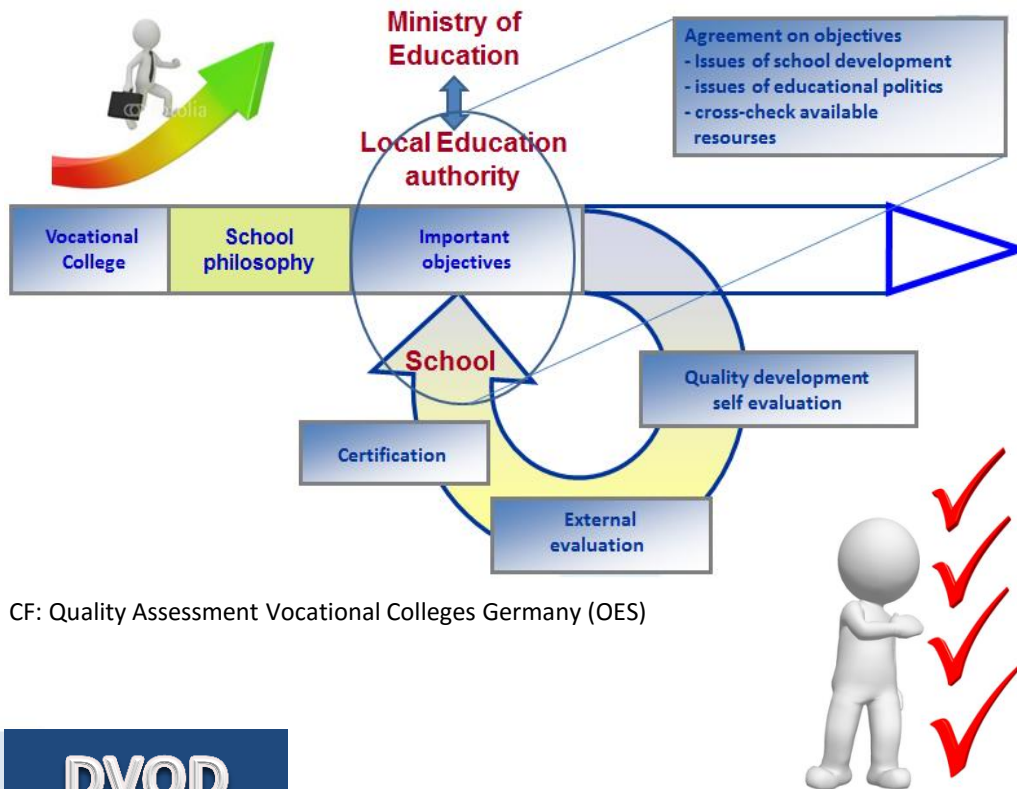
A: Company & College Selection:

- ☐ Company suitability
- ☐ Operational suitability
- ☐ Personal suitability

B: Student Selection:

- ☐ Graduate with four required subjects related to selected profession
- ☐ Pass Aptitude Test (practical and theoretical part).
- ☐ Company Interview

Quality Assessment at vocational colleges



CF: Quality Assessment Vocational Colleges Germany (OES)

DVQD

Dual Vocational Quality Development (DVQD), a quality assessment system made in Germany, based on quality assessments for vocational colleges such as OES & SEIS.

Questionnaire for Teachers of Higher Degree from Vocational Colleges (English) Chonburi Technical College

Evaluation Teacher (Version 1.0)

* 1.3 Learning and methodological skills

	Strongly Agree (5)	Agree (4)	Disagree (3)	Strongly Disagree (2)	Don't Know (1)
a) We Teachers have enough time to take care and teach our students.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b) We Teachers knows what we have to teach that the Students achieve a good Grade.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c) We have to evaluate our own Work.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d) Our School use many types of different Evaluation in Homework, Project Work, Presentations or others.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e) After a Class Test or Examination, i explain the Students how they can get a better result for the future Work.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
f) I do not like to answer the above questions.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Next

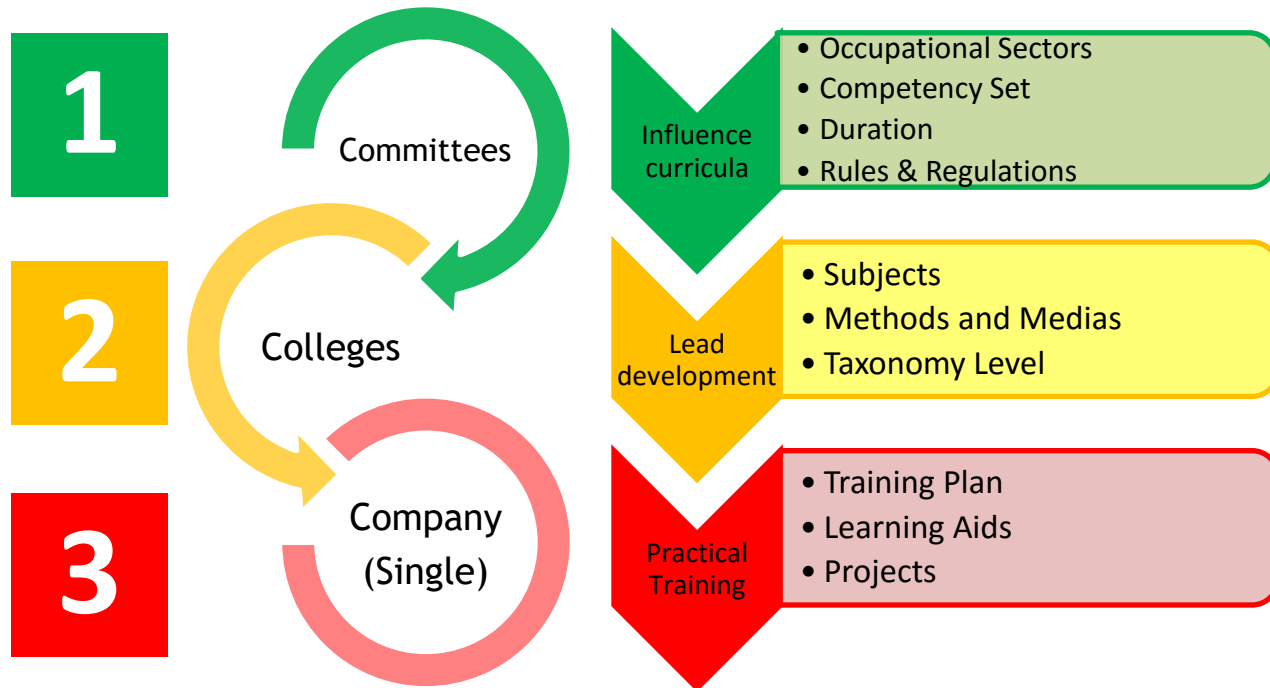
Quality Fields:

- QF 1 Results at school
- QF 2 Teachers and learning – teaching lesson
- QF 3 School culture
- QF 4 Leadership and school management
- QF 5 Personal Development
- QF 6 Quality Development

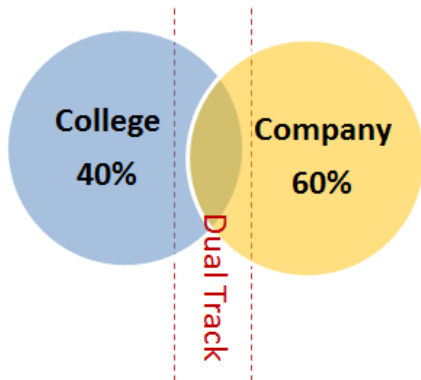
Curricula Development

The different roles in the process of development

The 3 Steps to be considered !



Curricula & Training Plan Development

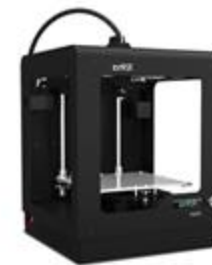
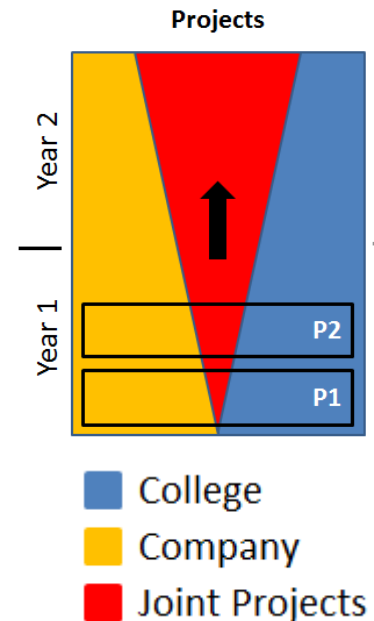


Education is the responsibility of College & Company, to gain theoretical and practical skills and competences which are required at the labor market.

How to match Curricula and In – Company Training Plan?

College		Company	
Code	Description	Code	Description
3000	general education	/	-
3100	professional education	3100	professional education
/	-	3200	company internal
3300	project based learning	3300	project based learning

* Code Example OVEC Thailand



Alignment of Curricula

The Process of Curricula & In-Company Training Plan alignment!



German Standard Examination (PAL)

What is PAL?

PAL is the development center for examination questions and training materials in **industrial/technical professions** within the **dual system for vocational training**.

The PAL of IHK Region Stuttgart was founded in 1948 as a joint institution of the Chambers of Industry and Commerce (IHKs) in order to promote the development of industrial/technical examinations.

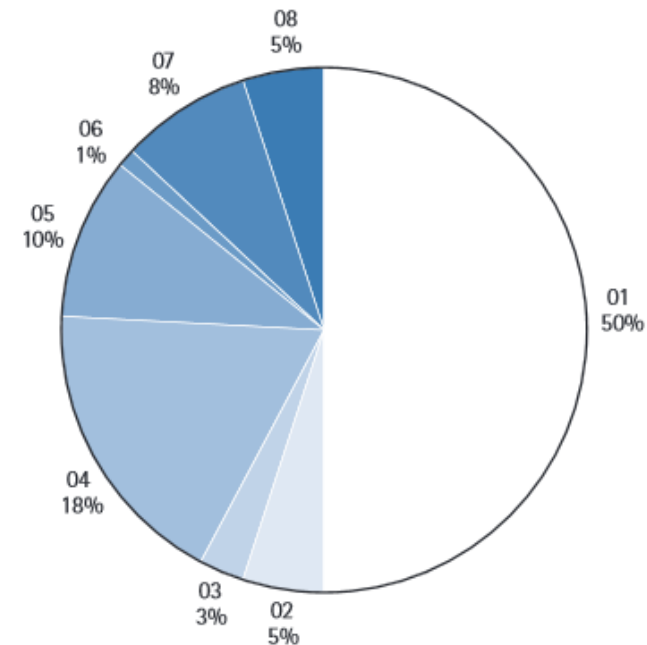
Since then, the PAL Examination has been established as a **German Standard Examination** which is **comparable all over Germany**.



Covered Professions

As the central examination institution of the IHKs, PAL covers a wide spectrum of industrial/technical professions. Currently, it provides **theoretical, practical and integrated intermediate** and final examinations for **131 Professions**.

First PAL Examination usually after **18 month** of apprenticeship programme. About 50% of all the professions covered by PAL are in the metal and plastics technology sector.



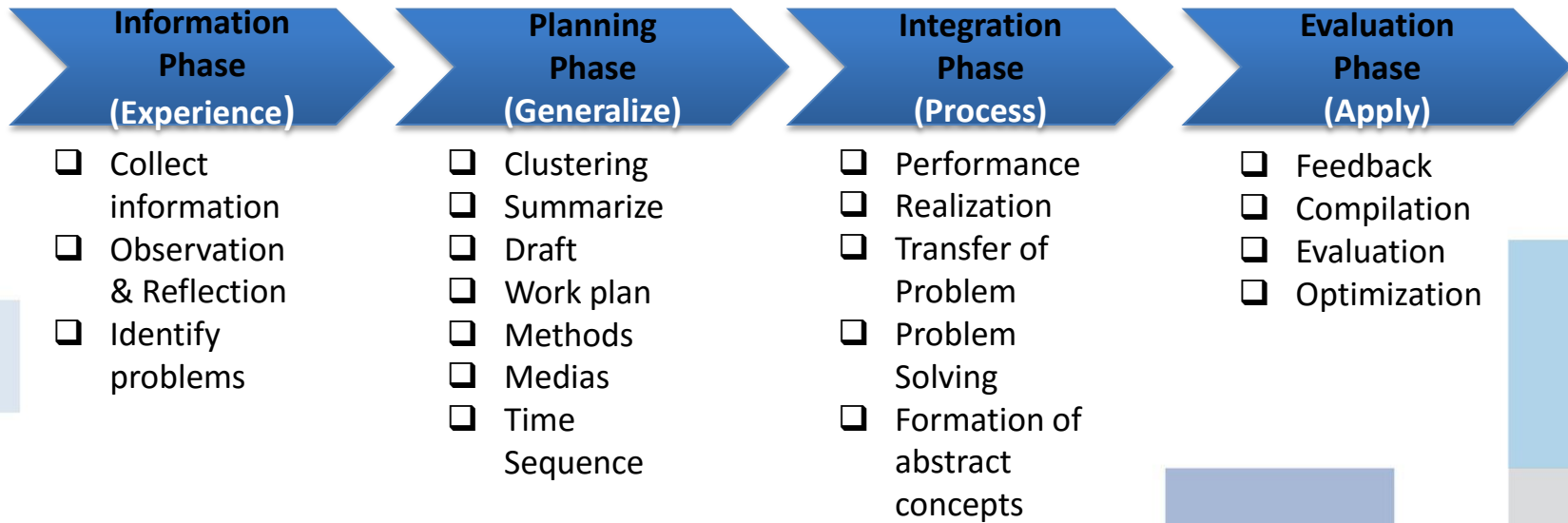
- ☐ 01 Metal and plastics technology professions
- ☐ 02 Vehicle technology professions
- ☐ 03 Design professions
- ☐ 04 Electrotechnical professions
- ☐ 05 Construction and wood technology professions
- ☐ 06 Clothing professions
- ☐ 07 Scientific, food-industry and environmental technical professions
- ☐ 08 Economic and social studies (only additional copies sold)

Holistic Learning Process

The **DUAL** process made in Germany!



*Examinations from Germany always cover the holistic learning process



Skills & Competences in DVET

The **DUAL** process made in Germany!

Essential Skills and Competences in DVET



Skills on the job

- ☐ Teamwork
- ☐ Problem solving skills
- ☐ Technical Understanding
- ☐ Planning of proper work process
- ☐ Flexibility at the workplace

Skills near the job

- ☐ Self critics
- ☐ Work behaviors
- ☐ Organize and conduct project
- ☐ Learning transfer
- ☐ Ability to present

Skills off the job

- ☐ Logical Thinking
- ☐ Technical Understanding
- ☐ AQ (Adversity Quotient)
- ☐ Creativity
- ☐ Time Management

Successful Training always covers Skills and Competences from all areas (Skills on / off / near the job)!

Quality Level Summary



Product Category A:

German DVET / Further Education abroad

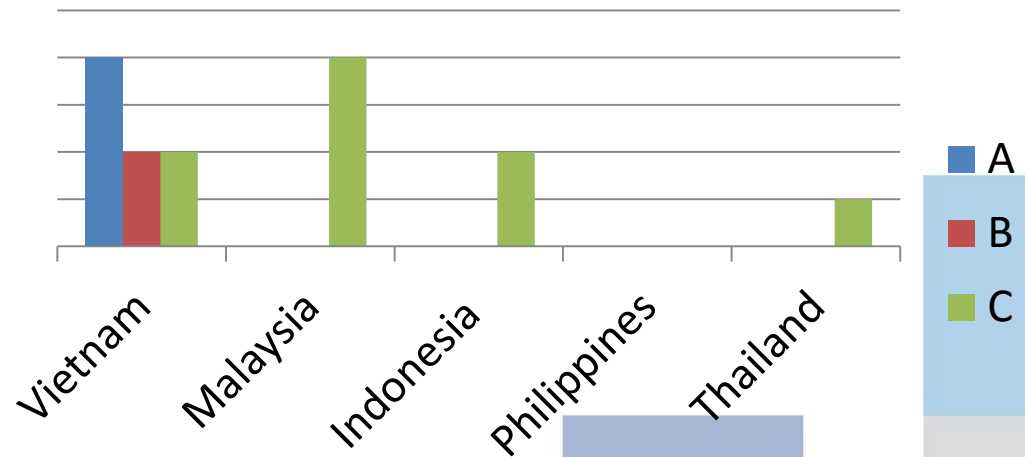
Product Category B:

Local DVET / Further training based on German standards

Product Category c:

Local VET / labour market oriented professional qualifications

ASEAN Countries



Thank You

Any Questions?

Thanks for your attention!



Education is what remains after one has forgotten
what one has learned in school.

— *Albert Einstein*

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Philipp Dreher

GTDEE Project Director

GERMAN-THAI CHAMBER OF COMMERCE