

EGD Grade 10

Graphic Communication

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Free State Province

Career opportunities in EGD

► Architecture



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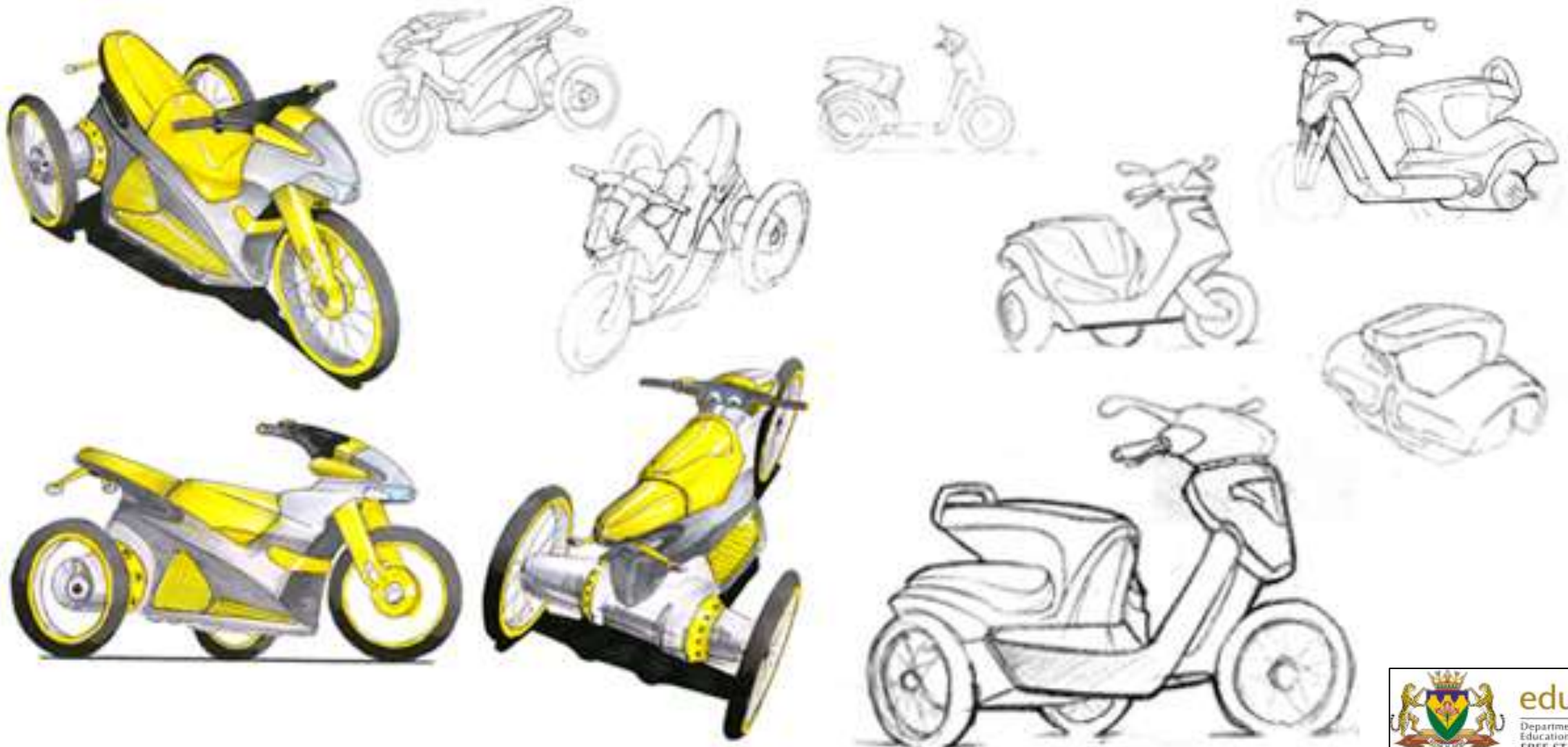


Engineering Career Opportunities

- Aerospace
- Agricultural
- Architectural
- Biomedical
- Chemical
- Civil
- Computer
- Electrical
- Environmental
- Industrial
- Inventive Design
- Marine and Ocean
- Materials
- Mechanical
- Mining
- Nuclear
- Petroleum
- Nanotechnology
- Automotive
- Acoustical
- Applied Mathematics
- Bioengineering
- Engineering Science
- Engineering Management
- Excavation
- Fire
- Forest
- General
- Genetic
- Geological
- Manufacturing
- Packaging
- Pharmaceutical
- Plastics
- Power
- Systems
- Theatre
- Transportation
- Welding

Career opportunities in EGD

- Industrial designer



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Career opportunities in EGD

- Interior designer



Career opportunities in EGD

- ▶ Landscape architect



Career opportunities in EGD

- Quantity surveyor & Building management



Career opportunities in EGD

- City planner



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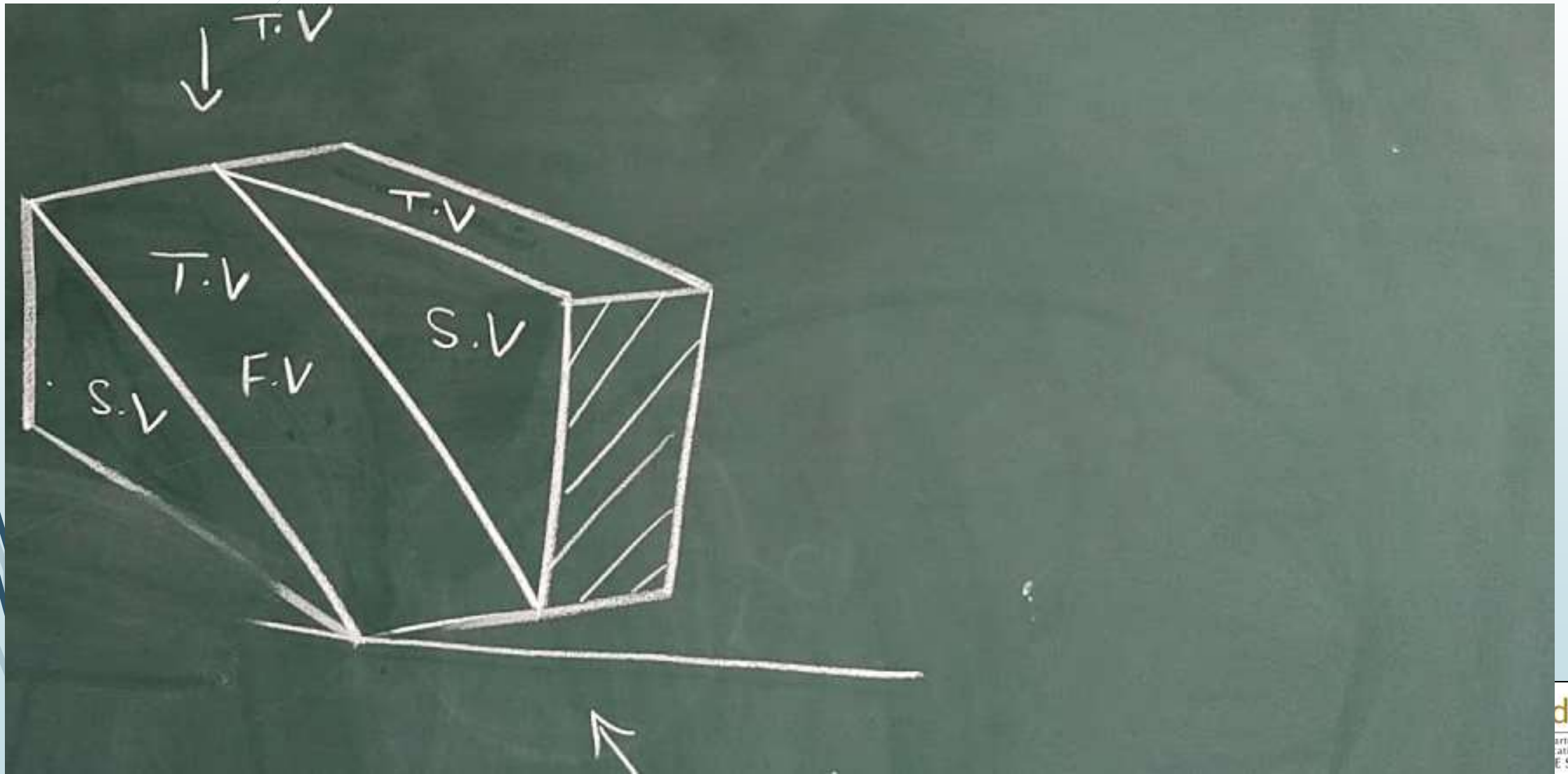
Career opportunities in EGD

- ▶ Land surveyor



Career opportunities in EGD

Teacher



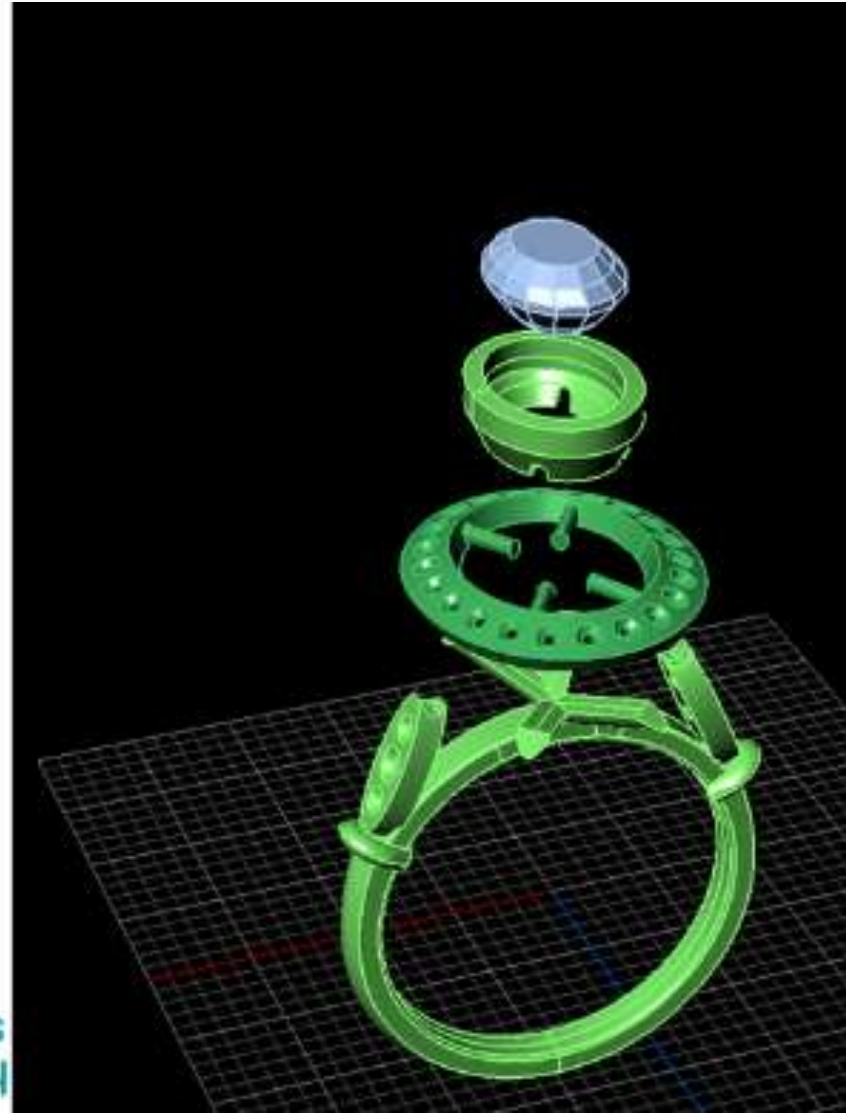
Career opportunities in EGD

- ▶ CAD Jewellery designer



Jack Meyer

holts
academy
OF JEWELLERS



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Career opportunities in EGD

- Model builder



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Career opportunities in EGD

- Draughtsmen



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Career opportunities in EGD

- Technicians



Career opportunities in EGD

- ▶ Most manufacturers



Career opportunities in EGD

- ▶ Most artisans

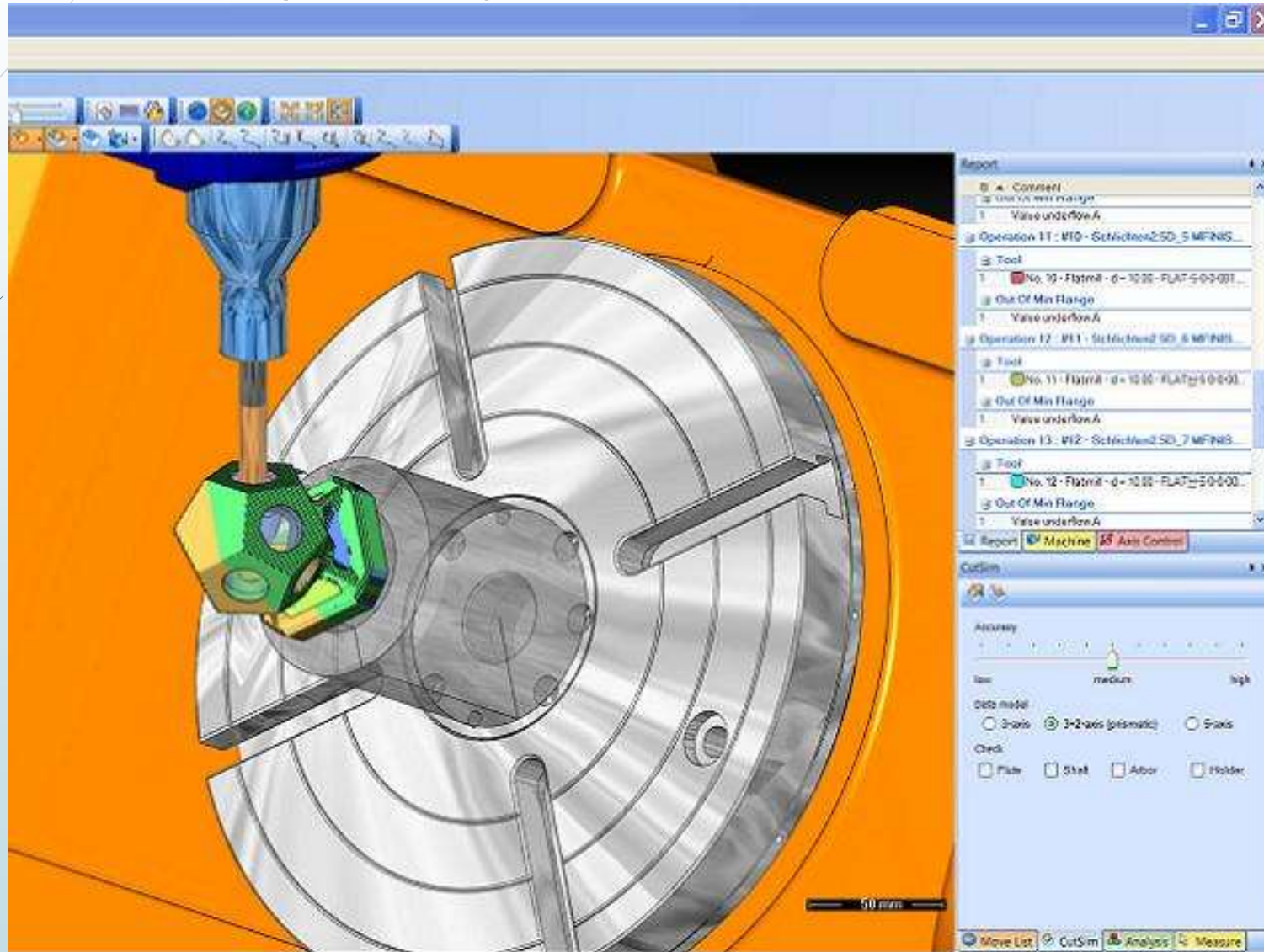


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Career opportunities in EGD

- ▶ CAD system operator



A large black arrow points to the right from the left edge of the slide. Several thin, curved lines in shades of blue and grey originate from the bottom left and sweep upwards and to the right across the slide.

Graphic Communication

- ▶ Three communication tools
 - ▶ Words
 - ▶ Mathematics
 - ▶ Graphics

Graphic Communication

- ▶ Oldest traces of architectural drawings
 - ▶ Gudea (4 000 BC)
 - ▶ Leonardo da Vinci
 - ▶ San rock art



Graphic Communication

- 1950: The first computer graphic system was invented
- 1970: CAD Computer Added Drawings



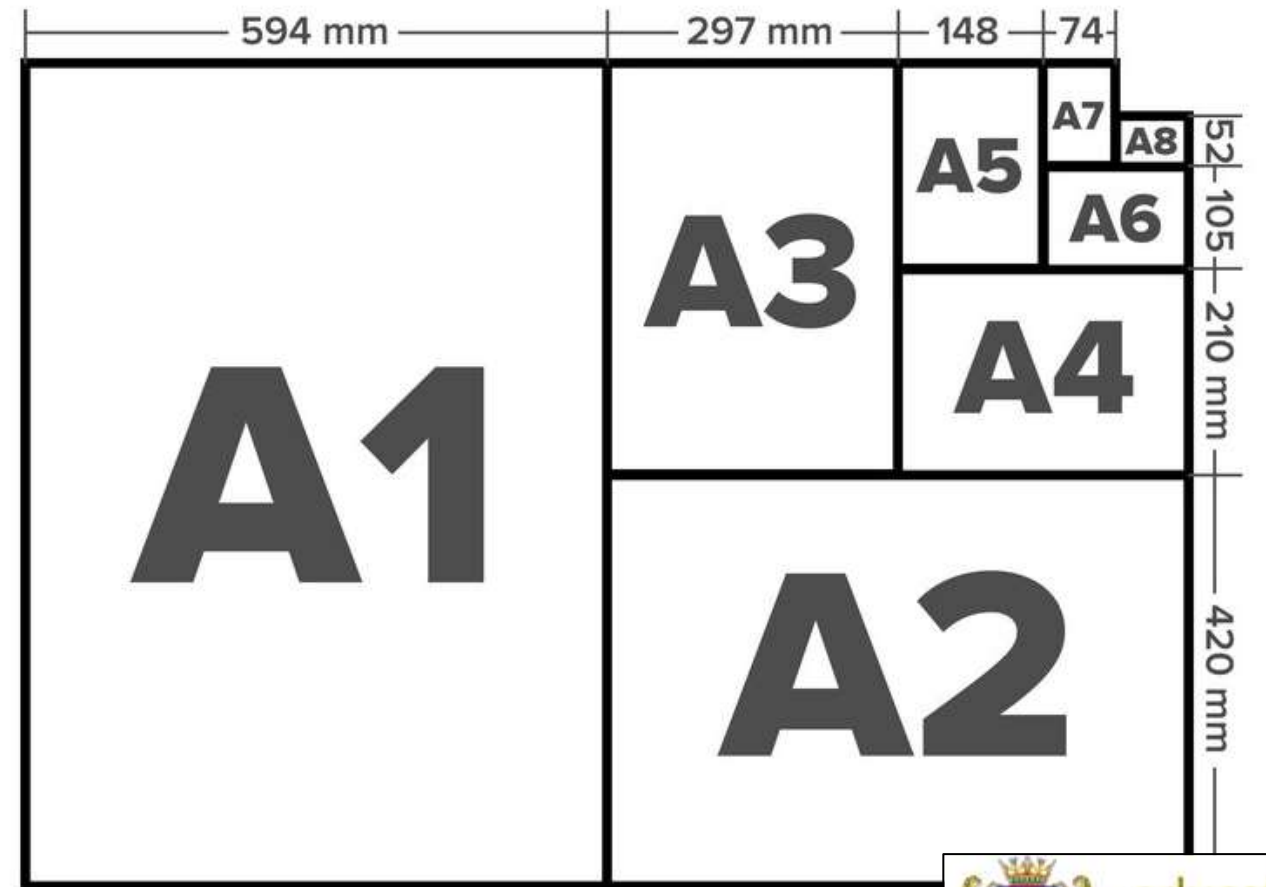
Graphic Communication

- Different printing methods
 - Inkjet printing
 - 3D printing (Additive Manufacturing (AM))
 - Dye-sublimation printer
 - Laser printing
 - Thermal printing
 - Digital printing

Paper sizes

➤ Paper sizes differ from

- A5 (148.5 x 210)
- A4 (210 x 297)
- A3 (297 x 420)
- A2 (420 x 594)
- A1 (594 x 841)
- A0 (841 x 1 188)



Paper sizes

- ▶ Each page is double the size of the previous.
- ▶ The **ISO A** series of paper is an international classification system used to standardise all paper sizes.