**Digital solutions that consider human needs**

E.g. via software that reveals what data companies are collecting about you¹ – and digital communities for young people with cognitive disabilities.²

**Technology and knowledge for sustainability**

E.g. we have created the world’s first modular laboratory for water infrastructure – to help eliminate the global annual water wastage of 16,000,000,000,000 litres³. In fact, AAU places second best in the world within SDG #6 – Clean Water and Sanitation⁴.

**Architecture and design that integrates aesthetics with engineering**

E.g. the EU invests millions of DKK in our work to reduce heat loss from buildings⁵, promote circular economy and create sustainable urban districts the world over⁶.

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**SOURCES:**

¹AAU.dk: ’Nyt program afslører, hvad der sker med dine private data’
²AAU.dk: ’Projekt vil skabe digitale fællesskaber for unge med kognitive handicapp’
³AAU.dk: ’New Lab Will Help Conserve 10,000 Billion Litres of Water a Year’
⁴AAU.dk: ‘AAU's pedagogical model is further strengthened’
⁵AAU.dk: ’AAU's Audio Analysis Lab developed hearing aids to eliminate the annoying cocktail party effect’
⁶AAU.dk: ’800,000 Danes have hearing loss, but in the future, hearing aids will eliminate the annoying cocktail party effect of many people speaking simultaneously. Using machine learning, AAU’s Audio Analysis Lab developed software to remove noise, making speech 15% clearer.’
⁷Søren Østergaard: ’Majesteit af forskning’
⁸AAU.dk: ’Projekt vil skabe digitale fællesskaber for unge med kognitive handicap’
⁹E.g. AAU delivers the world’s best sustainable education – SDG #4.
¹⁰AAU has Europe’s best engineering programmes and the 4th best in the world, according to MIT and 50 global thought leaders.
¹¹AAU placed 8th among the world’s universities in Engineering, the best ranking in Europe³.

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**WE ADDRESS GLOBAL CHALLENGES through education, research and knowledge collaboration that create tomorrow’s:**

**The Technical Faculty of IT and Design**

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**Technology and knowledge for sustainability**

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**Architecture and design that integrates aesthetics with engineering**

E.g. the EU invests millions of DKK in our work to reduce heat loss from buildings, promote circular economy and create sustainable urban districts the world over.

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**Denmark’s most sustainable IT University**

AAU admits 23% of all Danish IT students⁷ – and educates them with our acclaimed PBL model⁸.

**The World’s 6th Most Sustainable University**

E.g. AAU delivers the world’s best sustainable education – SDG #4.

**Denmark’s Largest IT University**

AAU admits 23% of all Danish IT students⁷ – and educates them with our acclaimed PBL model⁸.

**The World’s 4th Best Engineering Education**

AAU has Europe’s best engineering programmes and the 4th best in the world, according to MIT and 50 global thought leaders.

**Europe’s Best University for Engineering**

AAU placed 8th among the world’s universities in Engineering, the best ranking in Europe.

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**Technological advances improve quality of life**

800,000 Danes have hearing loss; but in the future, hearing aids will eliminate the annoying cocktail party effect of many people speaking simultaneously. Using machine learning, AAU’s Audio Analysis Lab developed software to remove noise, making speech 15% clearer.¹¹

Two Medialogy students at AAU CPH have developed a virtual reality programme that gives autistic children an opportunity to practice social skills in a virtual circus concert.

AAU, Danish TV station DR and Cool Kids are now examining options for extending the concept to other productions¹².

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**Entrepreneurship and commercial contacts are key**

- AAU enters into app. 300 agreements per year with companies like Vestas Wind Systems and Nokia Bell Labs.
- Annually, AAU supports about 80 potential IT entrepreneurs
- Previous AAU successes include software company Trifork and nanosatellite company GOMSpace with over 00 and 150 employees, respectively.
- We share 80/20 professors with B&O and Grundfos – staff members using 20% of their time on research at AAU.
- AAU collaborates closely with SMEs, e.g. through the clusters Digital Lead and Energy Cluster Denmark.