



AMSTERDAM SKILLS CENTRE

For Health Sciences



ASC



AIM & MISSION OF THE ASC

α improve general patient safety

α shorten learning times by up to -33%

α developing a 'New Way of Learning'





OLD WAY OF LEARNING: MASTER APPRENTICE
1 on 1: WAITING FOR THAT RARE CASE TO COME ALONG

student *see one*
apprentice *do one*
master *teach one*

current total training
time to become
experienced surgeon =

17 - 21 years





TRAINING
CHINOOK PILOT:

4 YEARS



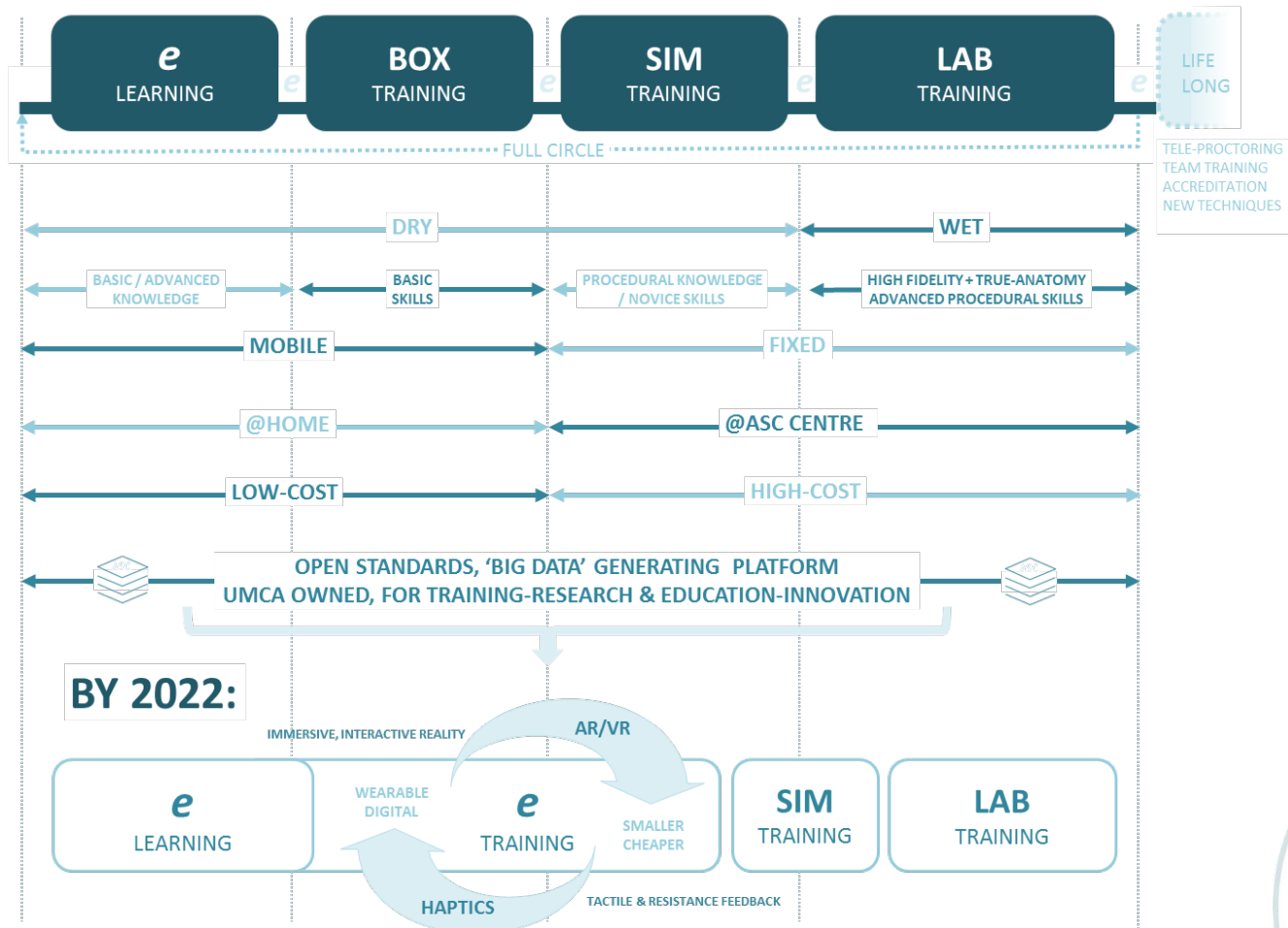
RCAF / Cpl Darcy Lefebvre





ASC LEARNING-PLATFORM BUILDING BLOCKS

FREE FOR LMIC-COUNTRIES | USER GENERATED CONTENT | LIFE-LONG MEMBERSHIP | CORPORATE MEMBERSHIPS | ACADEMICALLY CURATED | REPUTATION SCORES | CME COURSES





WET LAB TRAINING

FRESH FRAUDE HUMAN CADAVERS

- Training on *embalmed human bodies* is preferred above training on animal tissue because of the normal anatomical relations and the specific flexibility and 'tissue feel'.
- New (Fix for Life) embalming techniques that VUmc is preferring make it possible to use human tissue for multiple months, without the need for freezers. Fresh frozen tissue only lasts for 1-2 days.
- Anatomy VUmc is also working on a perfusion model for courses (starting in feb 2017), decreasing the need for animal training on 'bleeding' material.
- The centre wants to contribute to these new ways of learning (actually 10% of *all* revenues will go into research & innovation).
- AMC and VUmc will join forces to research the possibilities of increasing the number of people that can donate their body for science and educational causes.
- An ethical board of the center will advice and decide on all ethical matters concerning human material (as advised by Guy Widdershoven).

SIMULATOR TRAINING AMSTERDAM SKILLS CENTRE



- In collaboration with Orzone, the centre will have **21** simulators (making it the largest in Europe).
- Laparoscopy (6)
- Endoscopy (6)
- Endovascular MSC (6)
- Orcamp (1)
- Orthopedic OS Simtech (1)
- Orthopedic SweMac (1)
- Different suppliers deliver the simulators at production cost as upfront fee, earning their investment back with a fee per trainee.
- We only use open API / open source / open data for innovation & research, and to improve the learning curve and develop new learning modules or scenario's.
- Technological developments will make these devices smaller, smarter cheaper and more mobile.
- Orzone will provide *Centre Management Software* for booking, invitations, trainer/trainee docs, statistics, reports, diploma/certificates at a fee per trainee (no license fee, no hosting fee).



BOX-TRAINING TRAINING BASIC SKILLS

- Box-training is used to learn basic skills that need a lot of training hours for skills to wear-in. Examples are laparoscopic suturing or navigating with a scope.
- VUmc has a competitive advantage in the development and distribution system of box-trainers.
- Boxes are trolley-sized and can be taken home or all around the world for several weeks of intense training.
- We are building modular learning modules that you can click into the box-trainer, and are working together with companies to build sensors right into the box.
- With that we become able to provide direct feedback on the screen. Also we are connecting them to the internet so data can be analysed by experts for progress & feedback.
- We use the data from all boxes for innovation & research to improve the learning curve and develop new modules aimed at specific tasks.
- Technological developments will make these devices smaller, smarter, cheaper and more mobile (currently €10.000).



lynda.com



Lynda.com: World class interactive learning software: all platforms, great tooling. Serving more than 10.000 organizations. Individual, corporate, academic and government subscriptions.

[Short video info](#) | [Website](#)



Project ECHO: The heart of the ECHO model™ is its hub-and-spoke knowledge-sharing networks with expert multi-point videoconferencing to conduct virtual clinics with community providers.

[Short video info](#) | [Website](#)



WIKIPEDIA

Wikimedia: World class curation, world class community, world class *user generated content* and world class fundraising from companies and users.

[Short video info](#) | [Website](#)



Health Education England

eLearning for Healthcare (NHS): Industry awards for best practice in e-learning, quoted as "transforming medical education for the 21st century". Smart partnering with medical societies and separate apps per discipline.

[Short video info](#) | [Website](#)



Khan Academy is a nonprofit with a mission of providing a free, world-class education for anyone, anywhere. Already 100 million learners all over the world, building a diploma infrastructure and already 100.000 exercises to sharpen skills.

[Short video info](#) | [Website](#)

E-LEARNING: WORLD CLASS PLATFORMS

For e-learning, content creation/curation and community building

- E-learning is the cement between the learning and training building blocks. The ASC will build an e-learning platform for life long, full cycle learning.
- VUmC is frontrunner in the digitalization of the medical curriculum (on iTunes University).
- Currently there is a reservation of €1 million for ICT and building the platform. For this a separate business case will be developed.

A few ingredients:

- *Organizations and doctors can get different memberships and sponsorships. The societal goal for sponsors is to educate the doctors in LMIC countries.*
- *Free for LMIC countries.*
- *User generated content with independent content curation.*
- *Developed as a blend between the examples (UMCA-owned platform) or in collaboration with one or more of the examples.*



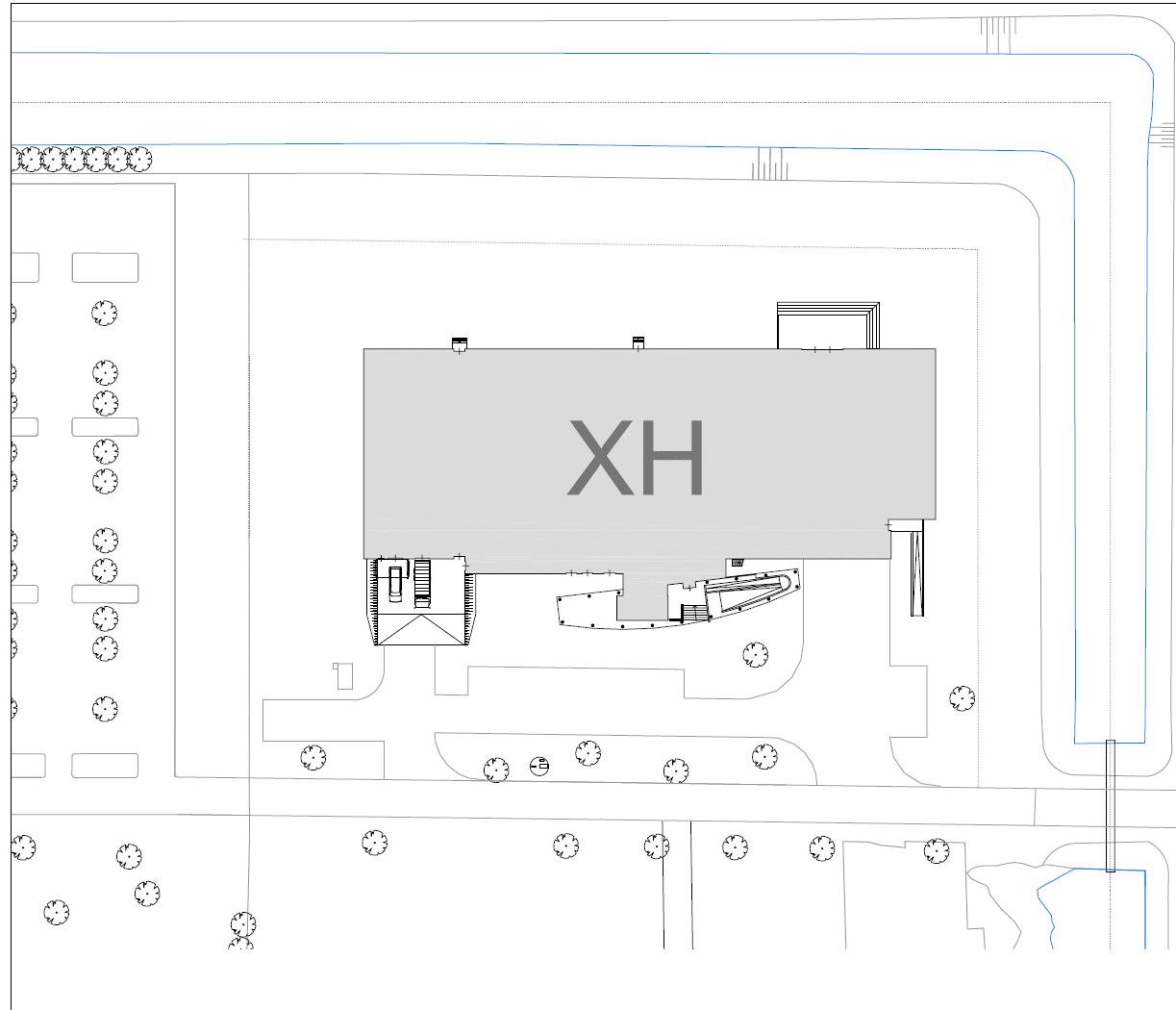
ASC



HET GEBOUW





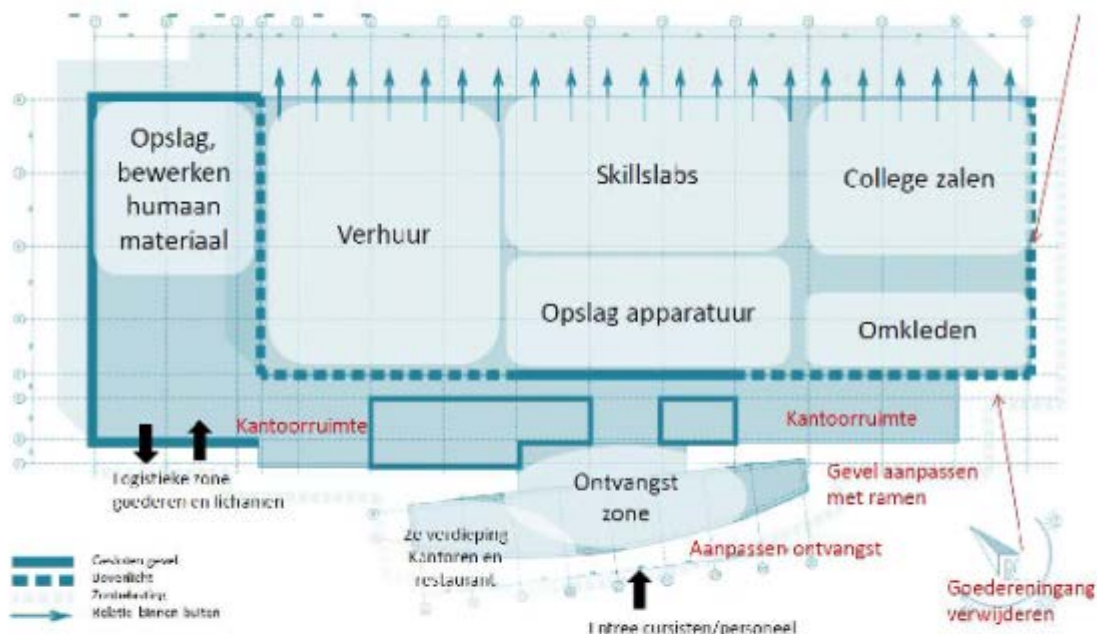


VALTOS		Project No.	1906.0
.....		Scale	1:500
.....		Client	AMC - VUmc
.....		Location	AMC - VUmc
.....		Date	1906.0
.....		Author	Voorligig ontwerp
.....		Project	VO-XH-010



Opmerkingen inpassing gebouw XH 47 Aangepast

Cevel voorzien van ramen



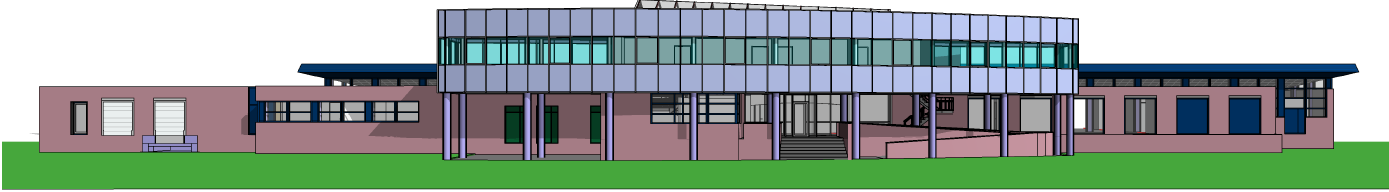

AT OSBORNE

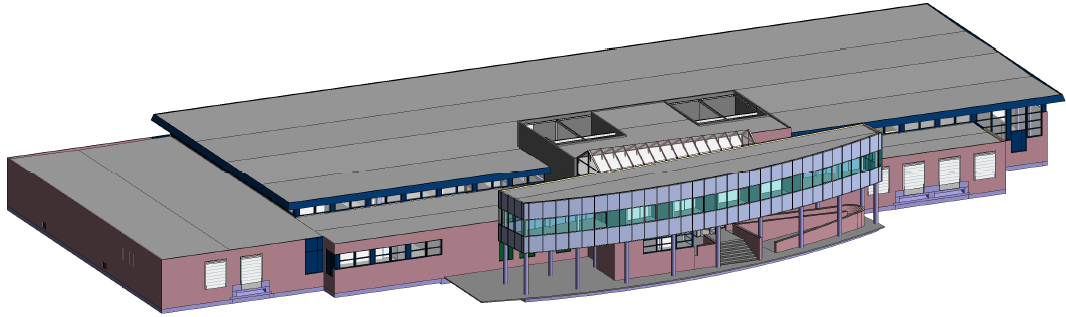
Overmaat eventueel verhuren
afschermen loading docks

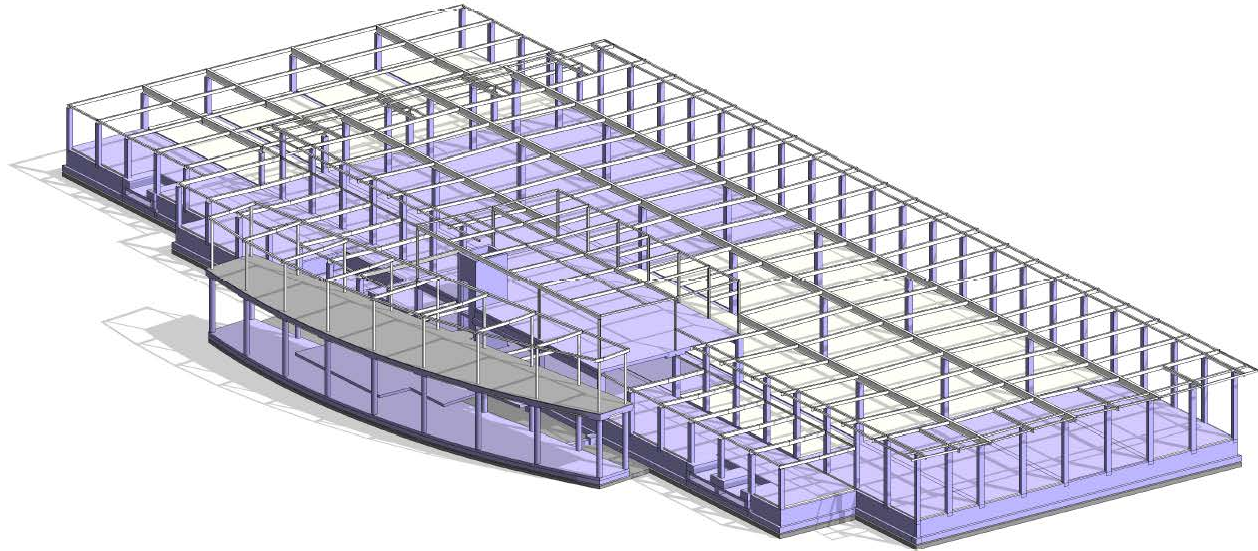
Aanpassing terrein en parkeren

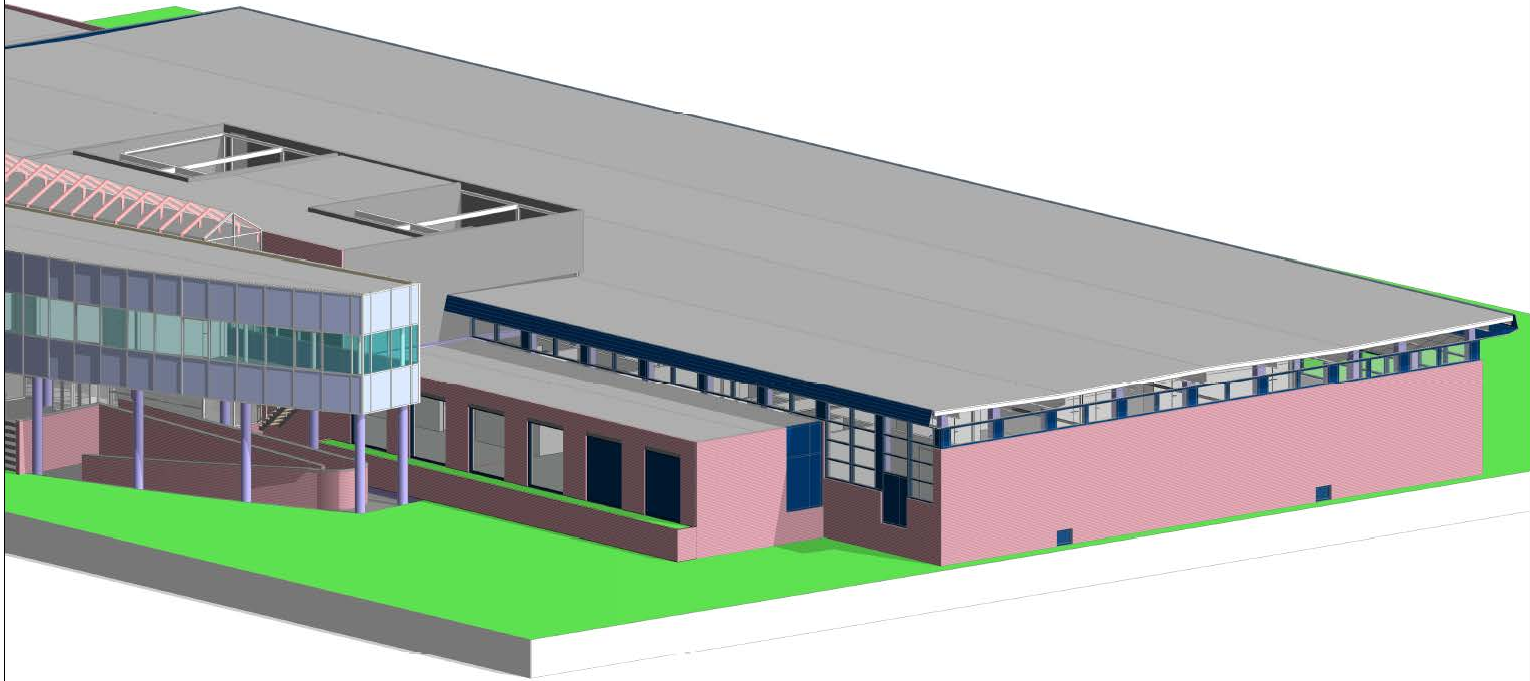
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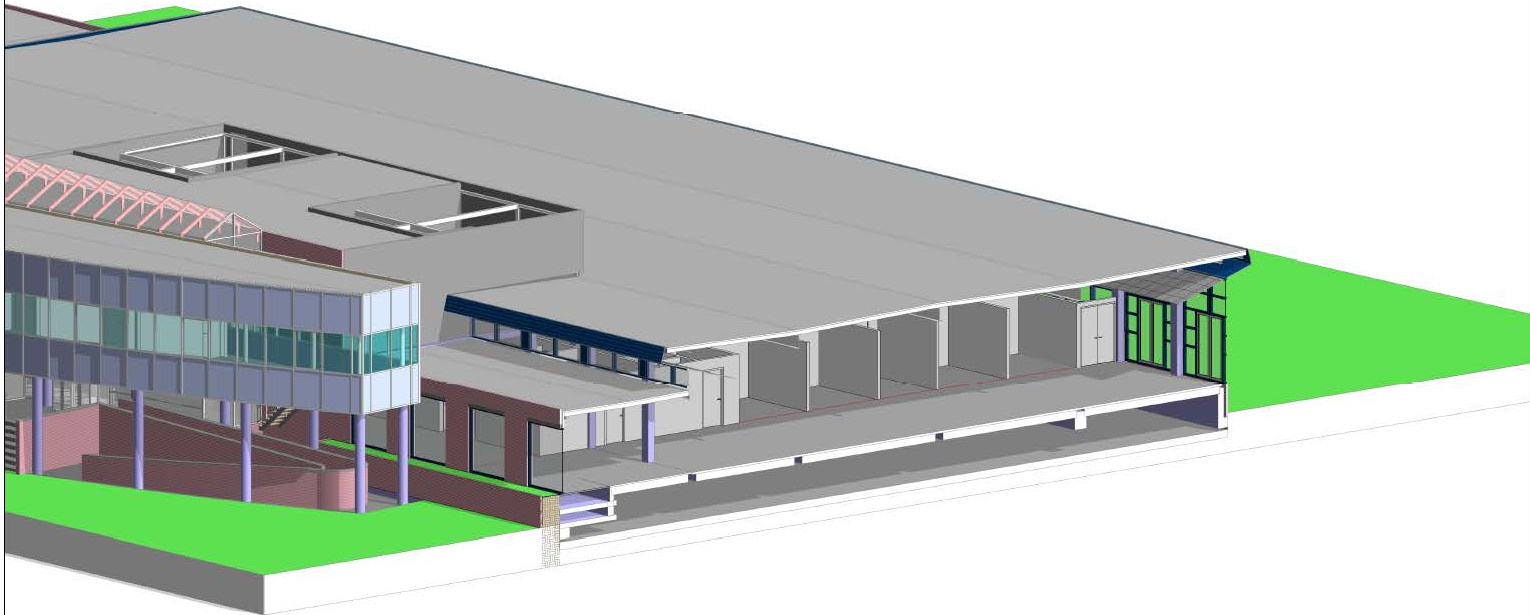


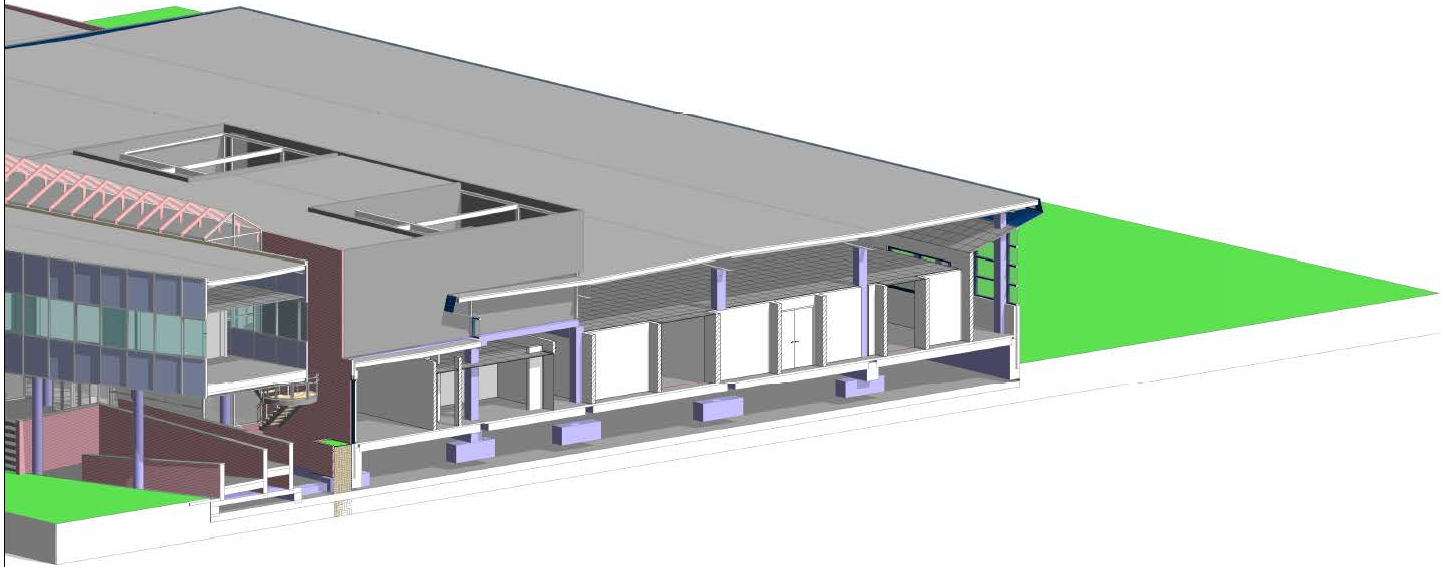




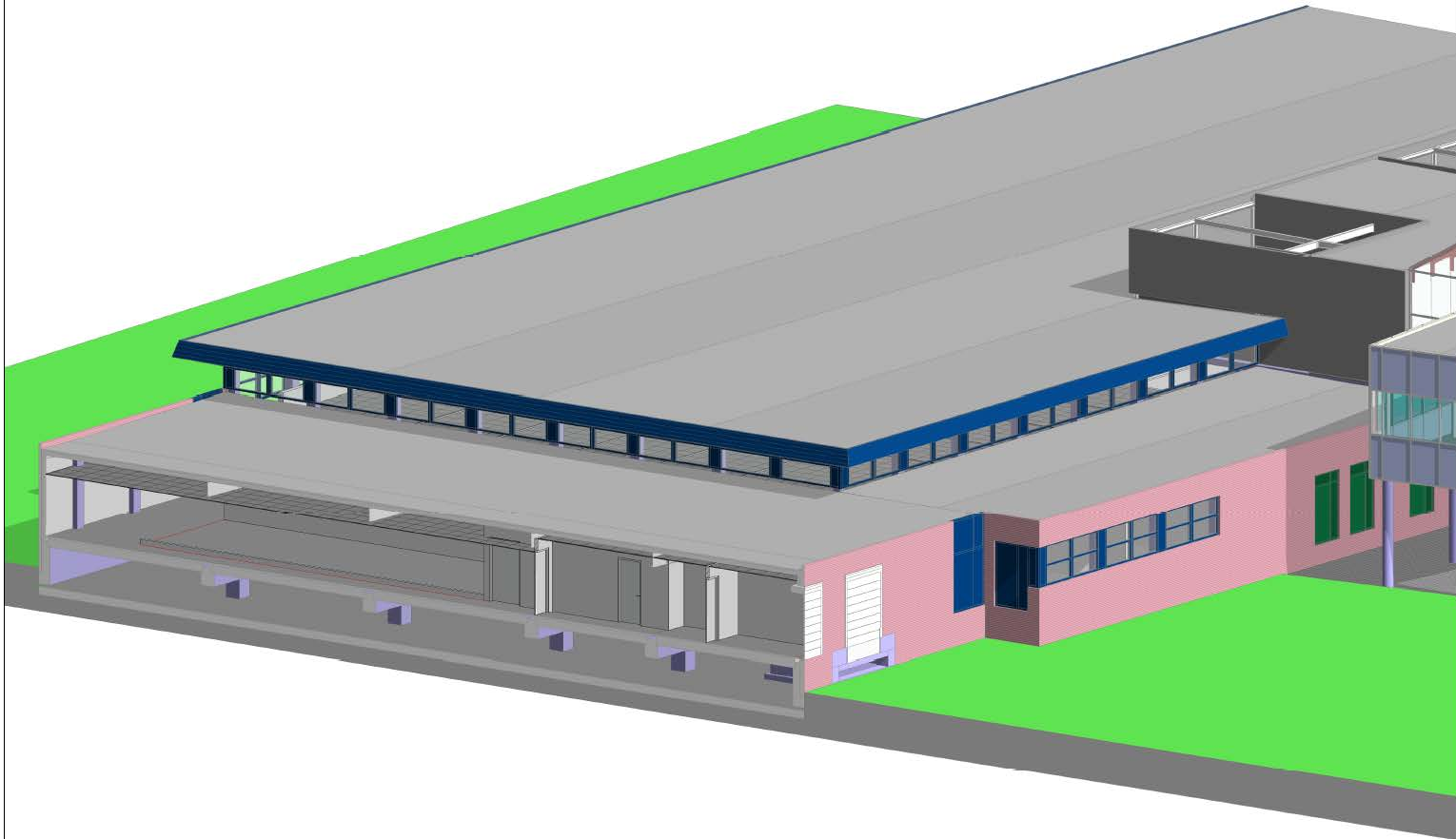


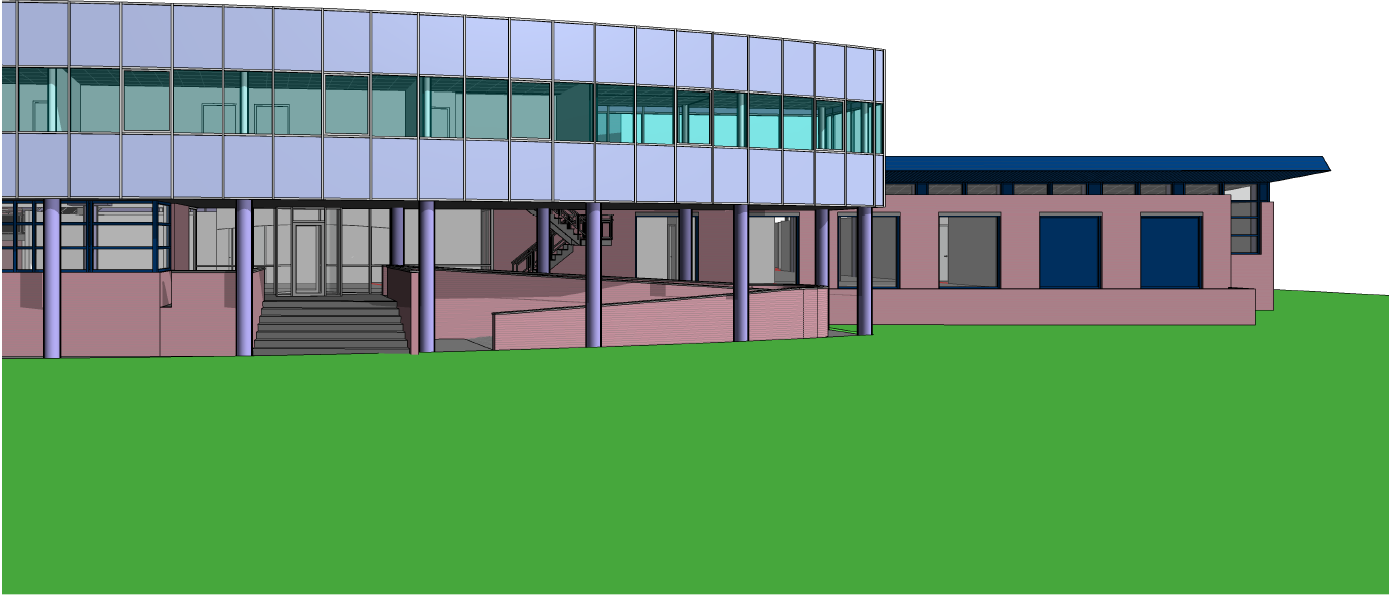


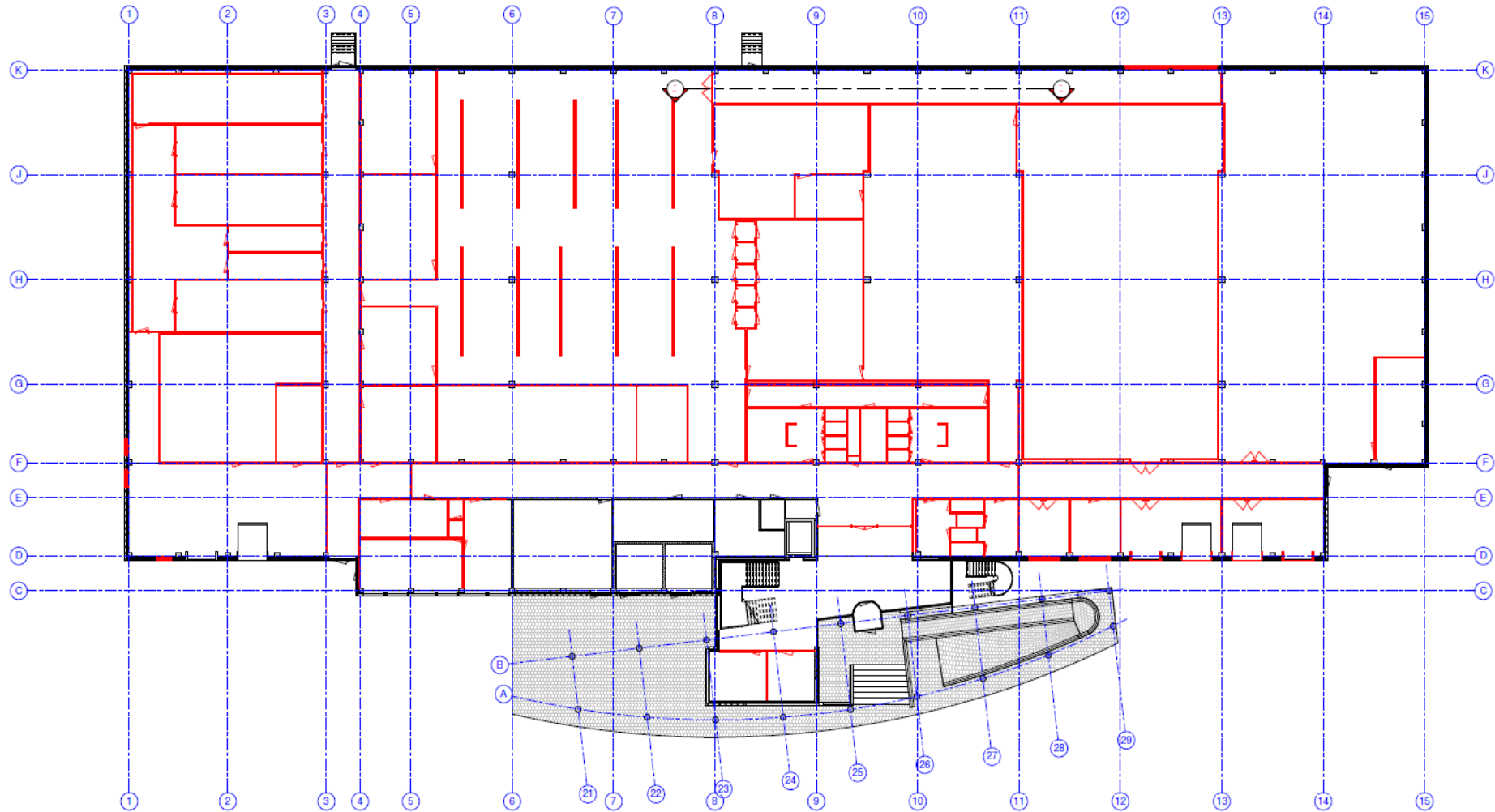




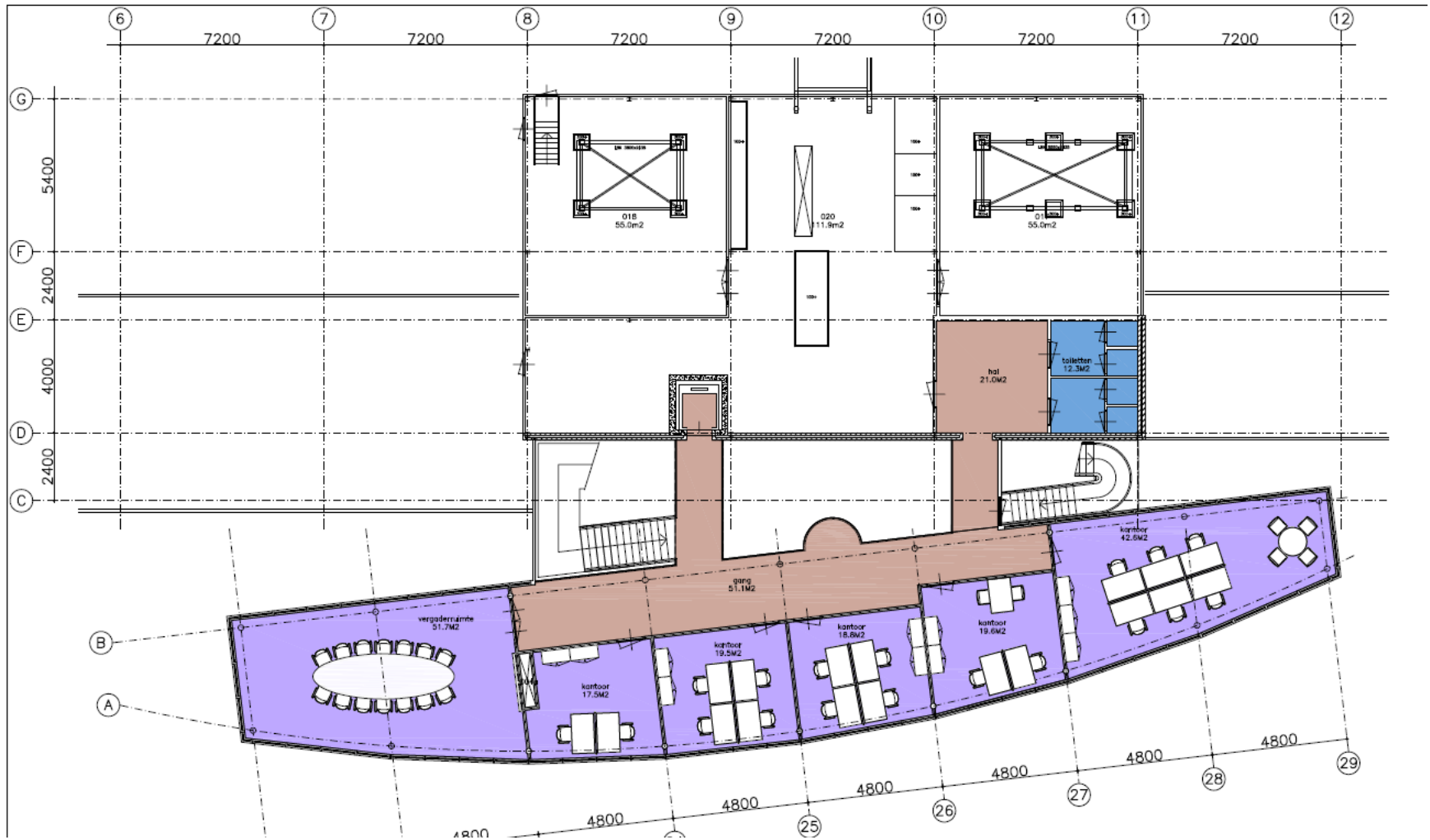


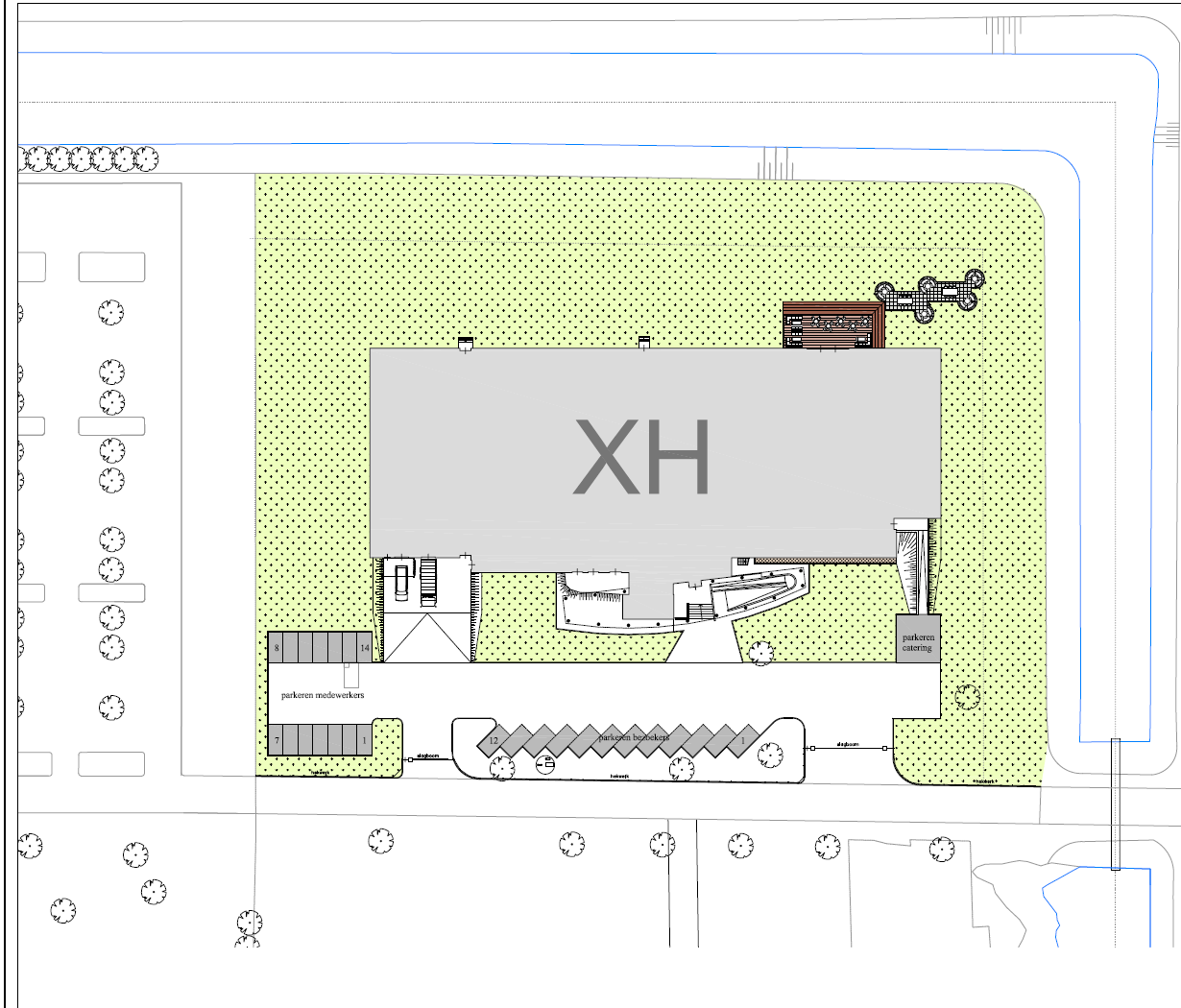












VALTOS

100% 90% 80% 70% 60% 50% 40% 30% 20% 10% 0%

naam	AMC Vrijnc studeak	aanvraagnummer	1906.0
ontwerper	AMC - Vrijnc	aanvraagdatum	2012-01-10
ontwerper	Stadsontwikkeling rijswijk noordzijde	aanvraagnummer	1906.0
ontwerper	Voorliggend ontwerp	aanvraagnummer	VO-XH-010

AANBESTEDING BOUWTEAM





ASC



INHOUD

1. Concurrentiegerichtede dialoog light
2. Planning aanbesteding
3. Wat zoeken we
4. Wat vragen we





ASC



CONCURRENTIEGERICHTE DIALOOG LIGHT

1. Vooraankondiging en informatiebijeenkomst

Selectiefase

2. Publicatie aanbesteding
3. Vragenronde
4. Beoordeling en selectiebesluit (max. 5 partijen)

Inschrijvingsfase

6. Uitnodiging
7. Schouw, dialoog en vragenronde
8. Presentaties
9. Beoordeling

Gunningsfase

10. Mededeling gunningsbeslissing
11. Bezwaartermijn
12. Sluiten overeenkomst





ASC



PLANNING

Selectiefase	
Aankondiging aanbesteding	28 juli 2017
Indienen aanmeldingen	11 september 2017
Inschrijvingsfase	
Inschrijven	Oktober
Gunningsfase	
Gunning	November
Sluiten overeenkomst	December



WAT ZOEKEN WE?

- Ontwerpend en bouwend vermogen B, E & W
 - 1 Perceel / 1 Overeenkomst
- Samenwerking met huidig ontwerpteam ASC
- 7 maanden bouwtijd:

Week 50 2017	Start Sloop
Week 50 2017	Start Bouwteam
Wek 30 2018	Oplevering

- **1 september '18** Opening ASC





ASC



WAT VRAGEN WE?

- Selectie
 - Ervaring met het ontwerpen en bouwen van gemengde functies, waaronder tenminste onderwijs;
 - Ervaring met tijdige oplevering;
 - Ervaring met renovaties.
- Dialoog
 - Concept plan van aanpak voor planning en optimalisaties.
- Gunning
 - Plan van aanpak, waaronder planning en optimalisaties;
 - Prijs.





ASC



VRAGEN?





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