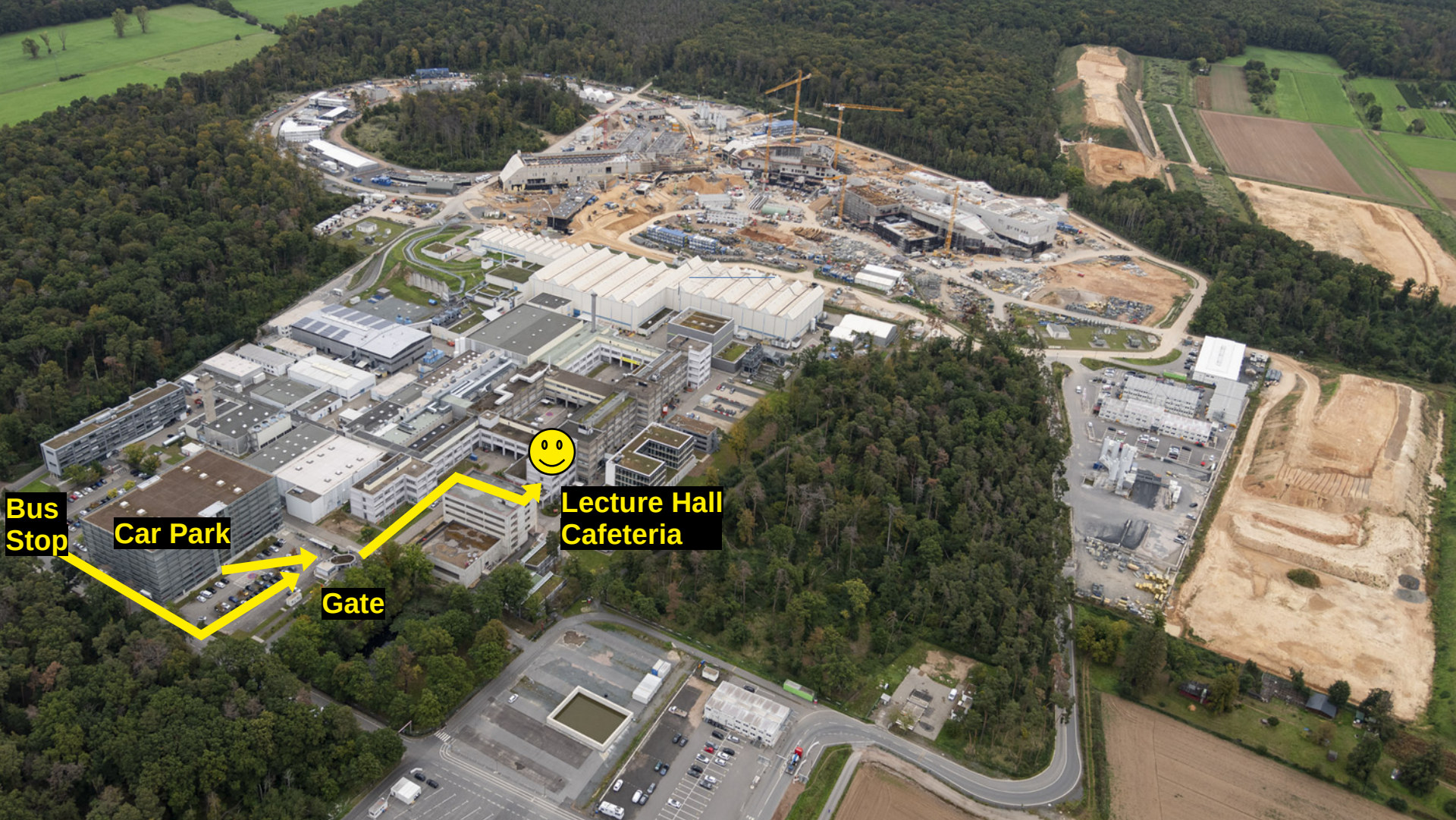


A large, stylized blue logo consisting of the letters "S", "E", and "I" arranged vertically. The "S" is the largest and most prominent, with "E" and "I" positioned inside its upper and lower loops respectively.A faint, light gray wireframe image of a large, oval-shaped stadium or arena, likely the GSI Helmholtz Accelerator Laboratory, serving as a background for the text.

Welcome to
SEI 2024
@ GSI



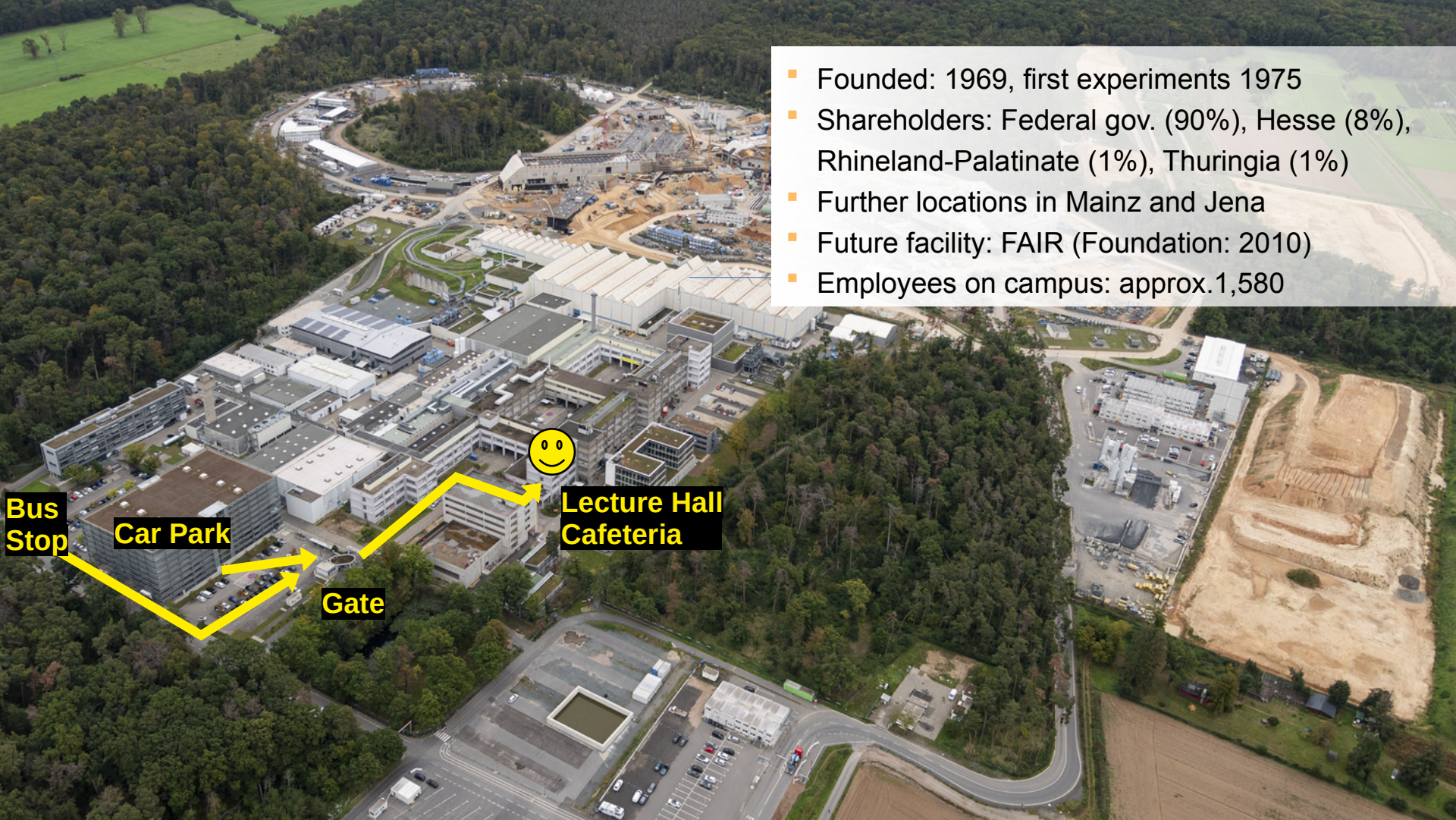
Bus Stop

Car Park

Gate



**Lecture Hall
Cafeteria**



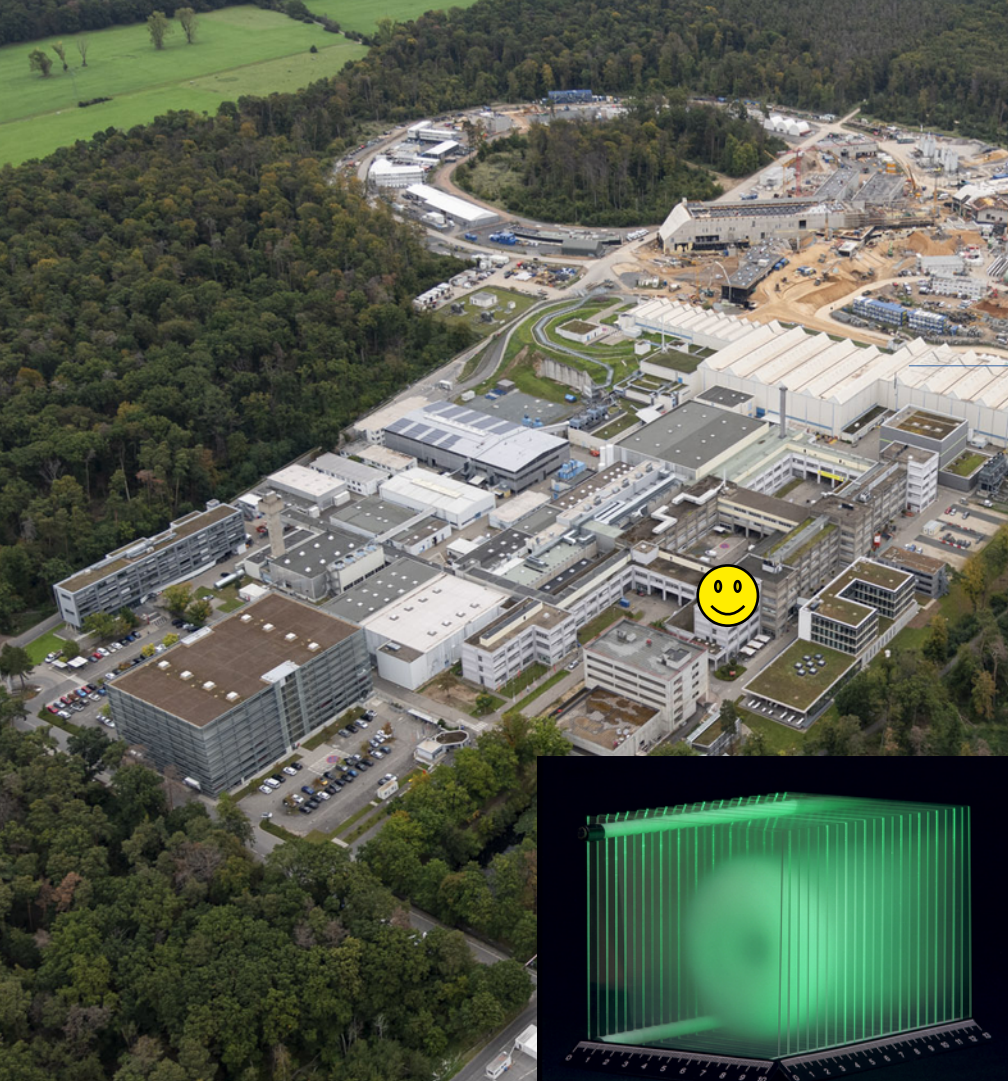
- Founded: 1969, first experiments 1975
- Shareholders: Federal gov. (90%), Hesse (8%), Rhineland-Palatinate (1%), Thuringia (1%)
- Further locations in Mainz and Jena
- Future facility: FAIR (Foundation: 2010)
- Employees on campus: approx. 1,580

Bus Stop

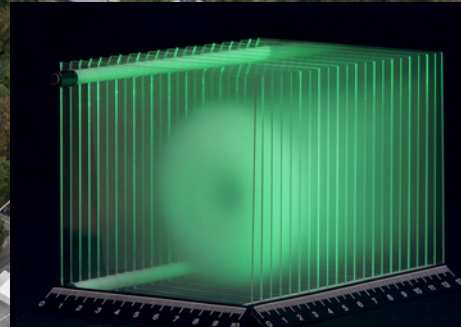
Car Park

Gate

Lecture Hall Cafeteria



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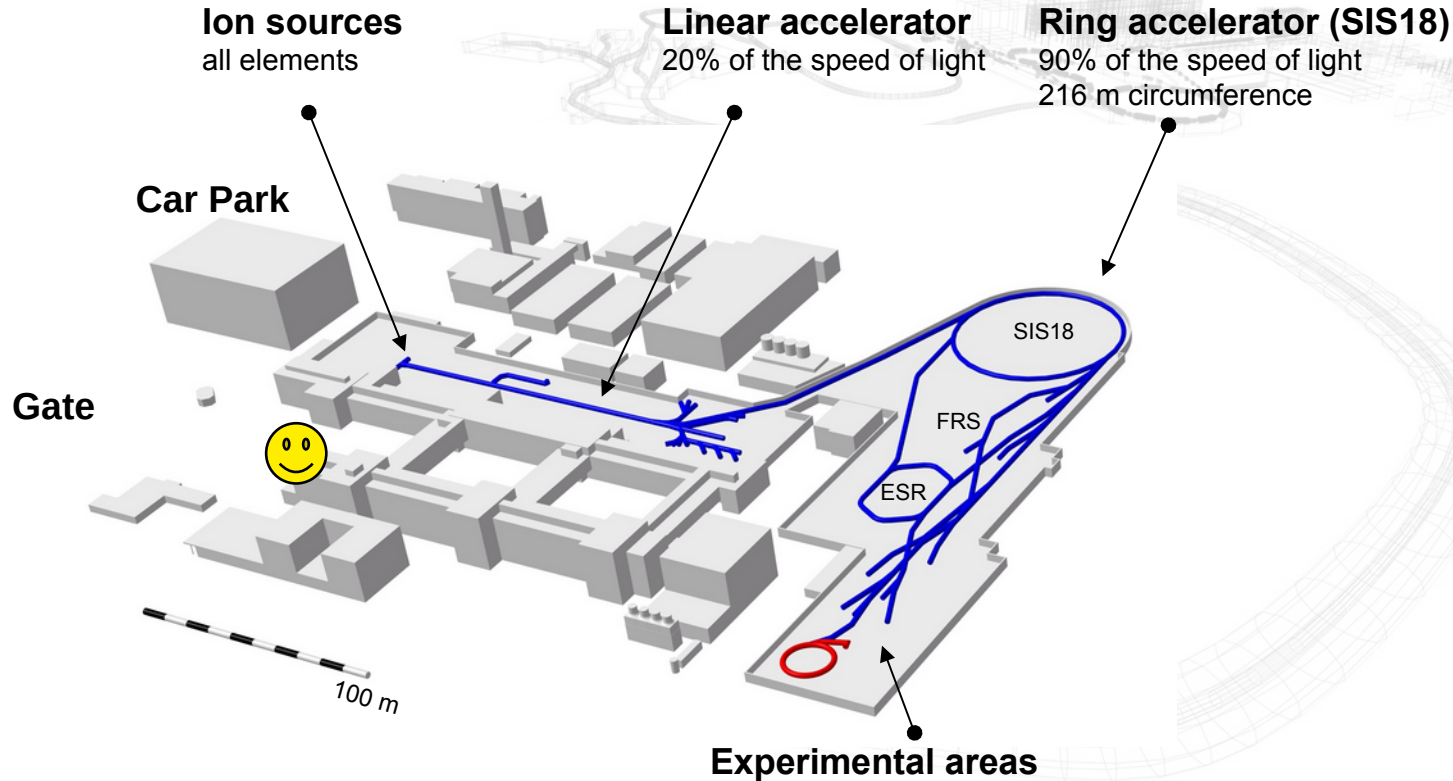


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1 H																	18 He		
3 Li	4 Be																	10 Ne	
11 Na	12 Mg																	18 Ar	
19 K	20 Ca	21 Sc																	36 Kr
37 Rb	38 Sr	39 Y																	54 Xe
55 Cs	56 Ba	57 La																	86 Rn
87 Fr	88 Ra	89 Ac																	
			90-91	92 U	93 Np	94 Pu	95-103												
								107 Bh	108 Hs	109 Mt	110 Ds	111 Rg	112 Cn	113 Nh	114 Fl	115 Mc	116 Lv	117 Ts	118 Og

Bohrium Hassium Meitnerium Darmstadtium Roentgenium Copernicium



Ion sources
all elements

Linear accelerator
20% of the speed of light

Ring accelerator (SIS18)
90% of the speed of light
216 m circumference

Car Park

Gate



Experimental areas

Protons to Uranium



Ion sources
all elements

Linear accelerator
20% of the speed of light

Ring accelerator (SIS18)
90% of the speed of light
216 m circumference

Up to 11.4 MeV/u

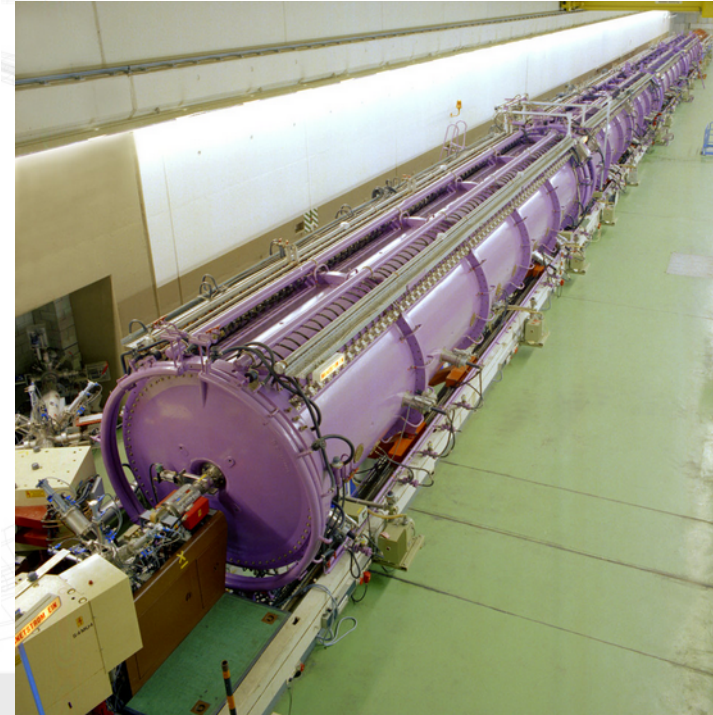
Car Park

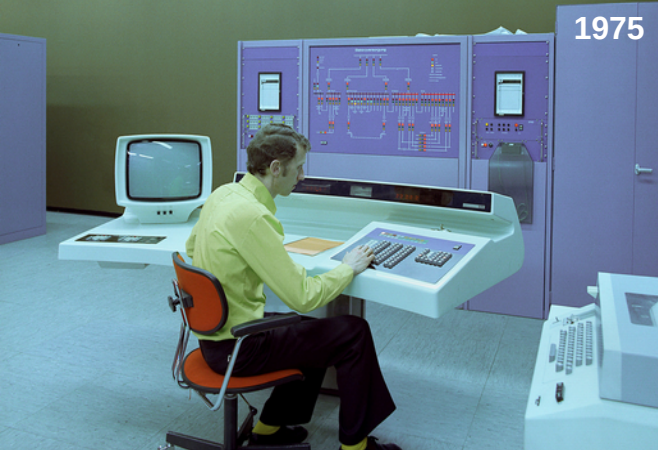
Gate



100 m

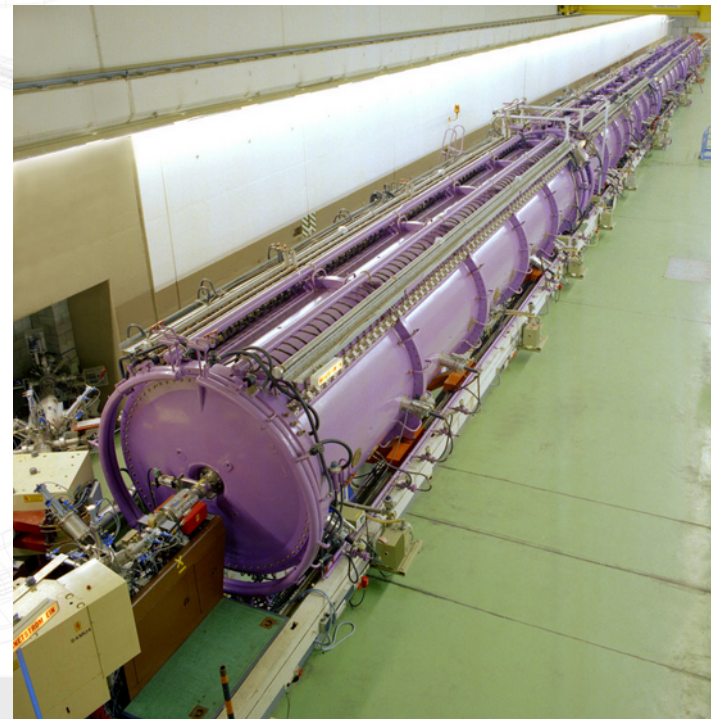
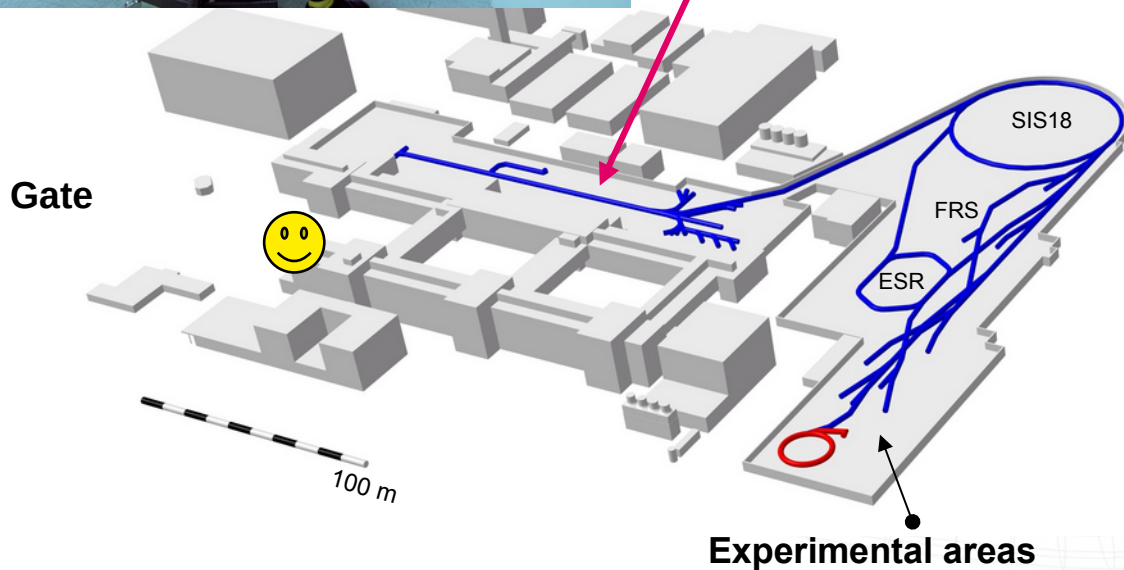
Experimental areas





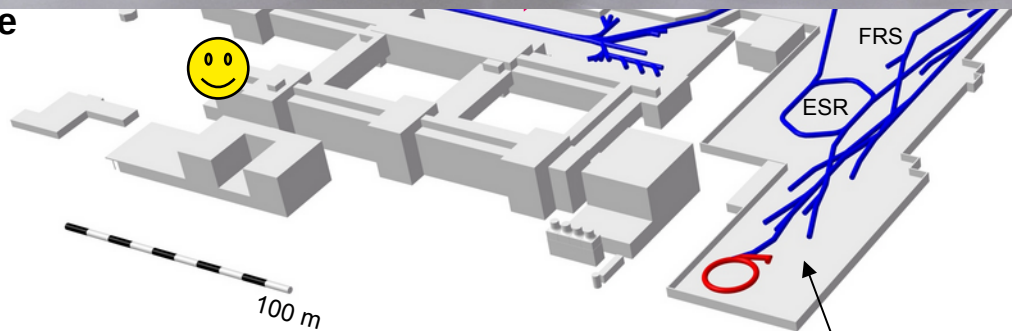
Linear accelerator
20% of the speed of light

Up to 11.4 MeV/u

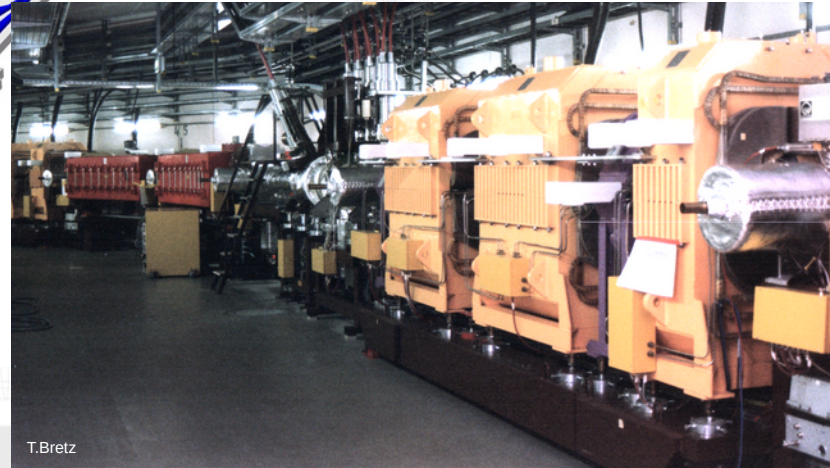
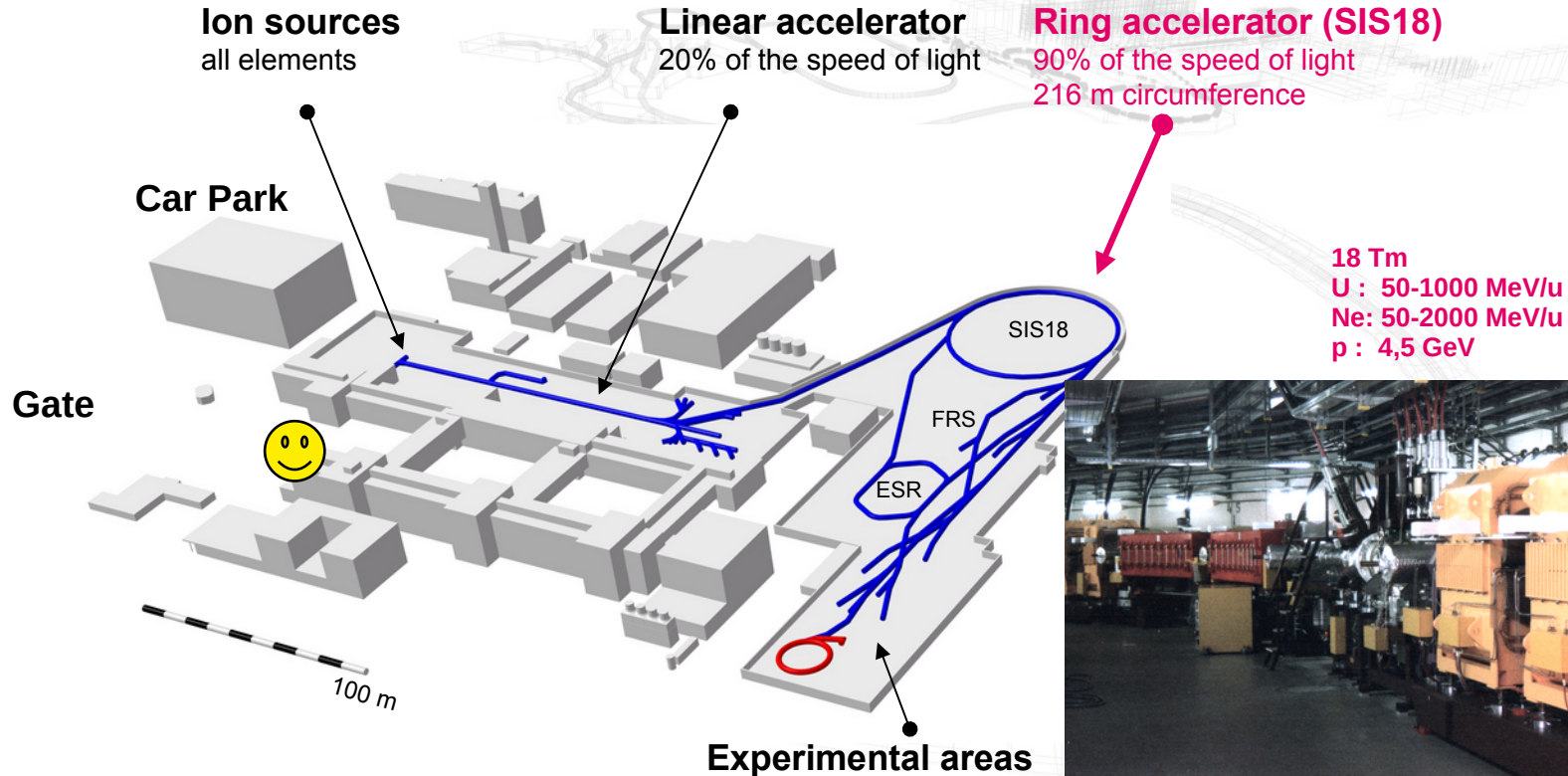


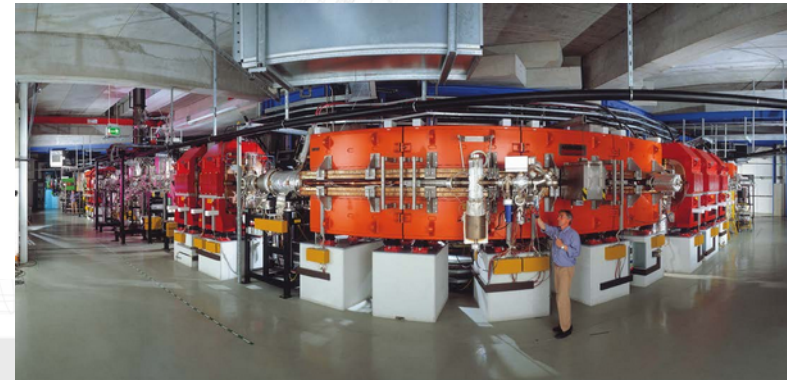
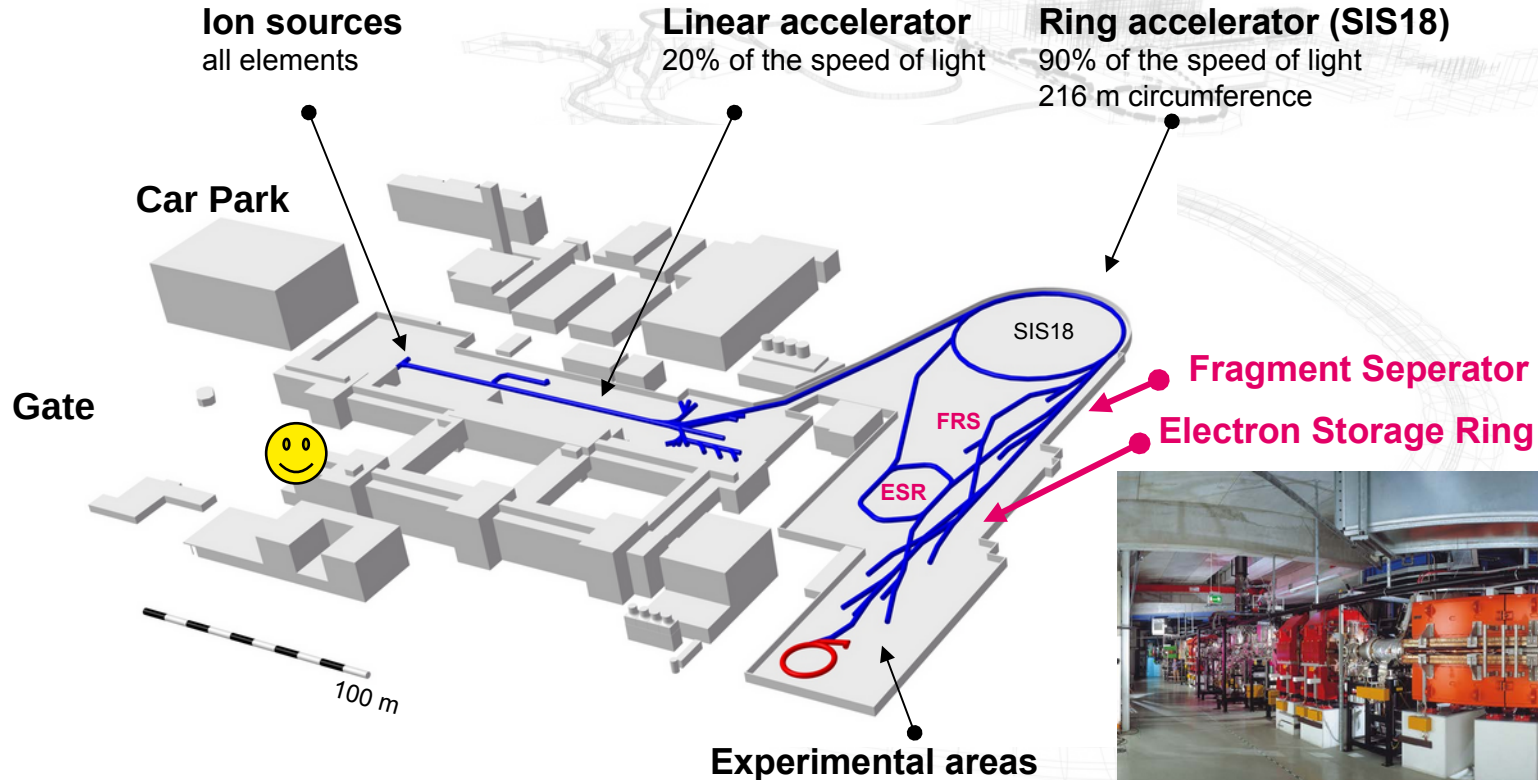


Gate



Experimental areas





Ion sources
all elements

Car Park

Gate

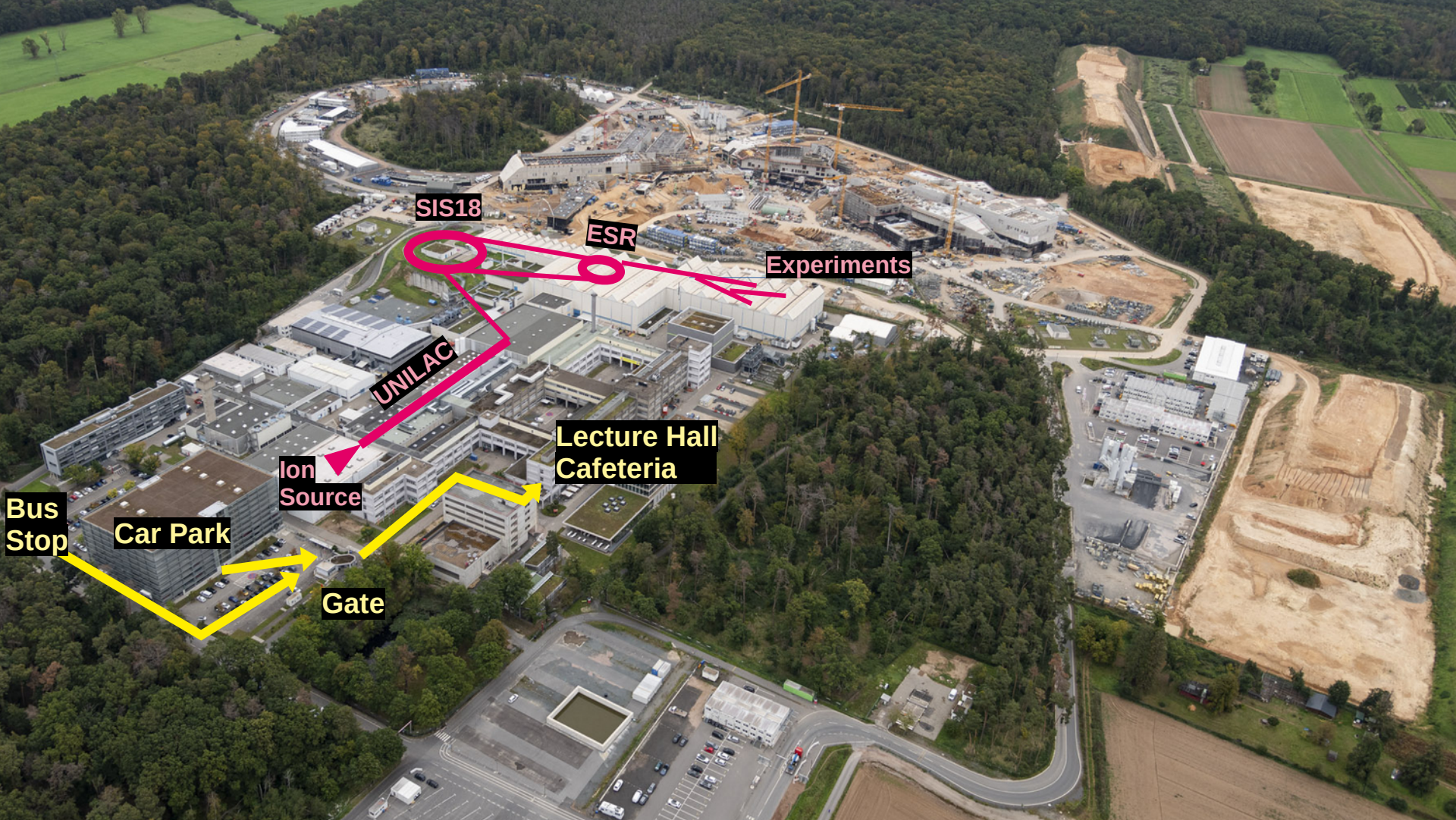


100 m



HADES

Experimental areas



SIS18

ESR

Experiments

UNILAG

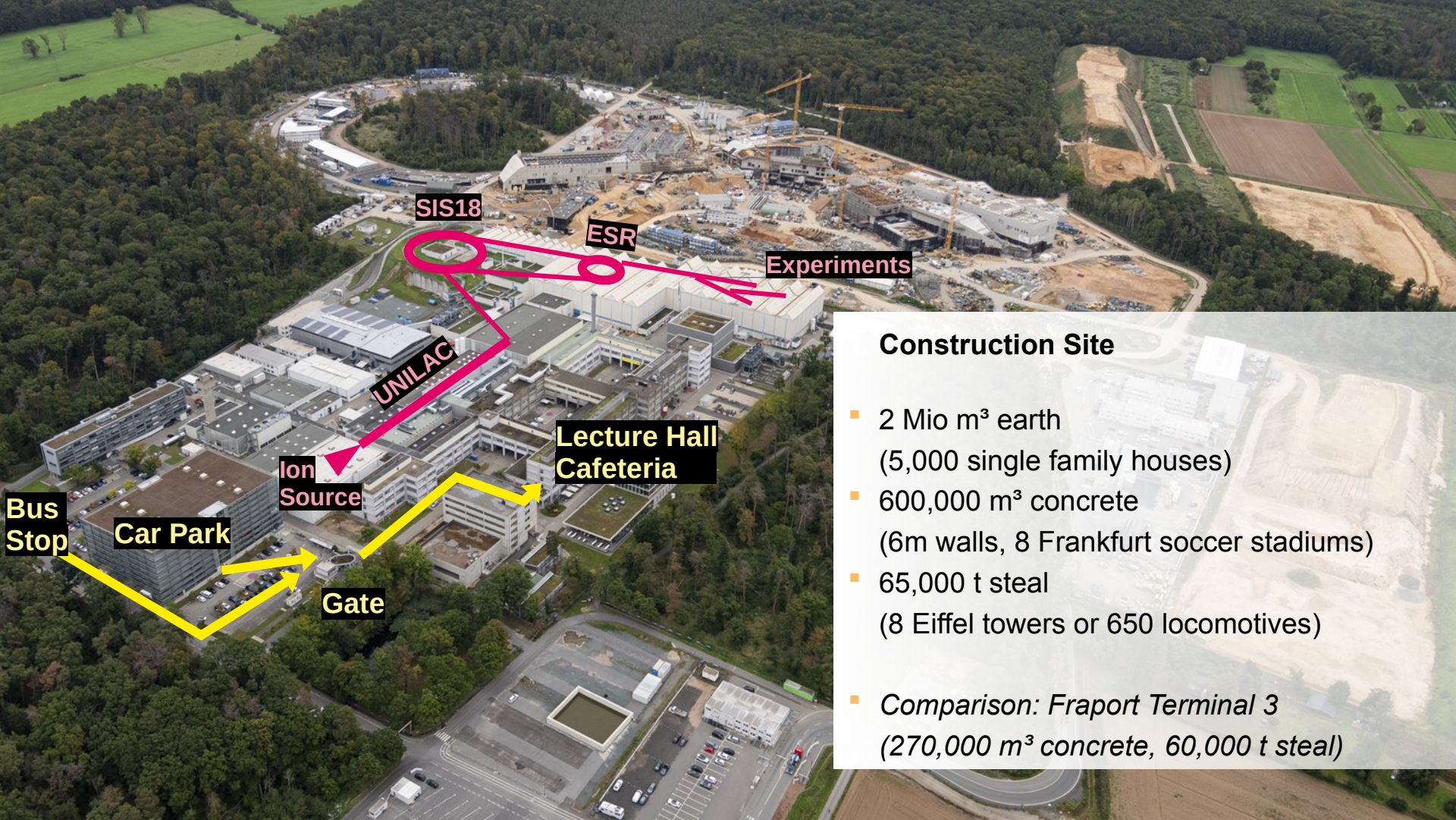
Lecture Hall
Cafeteria

Ion
Source

Bus
Stop

Car Park

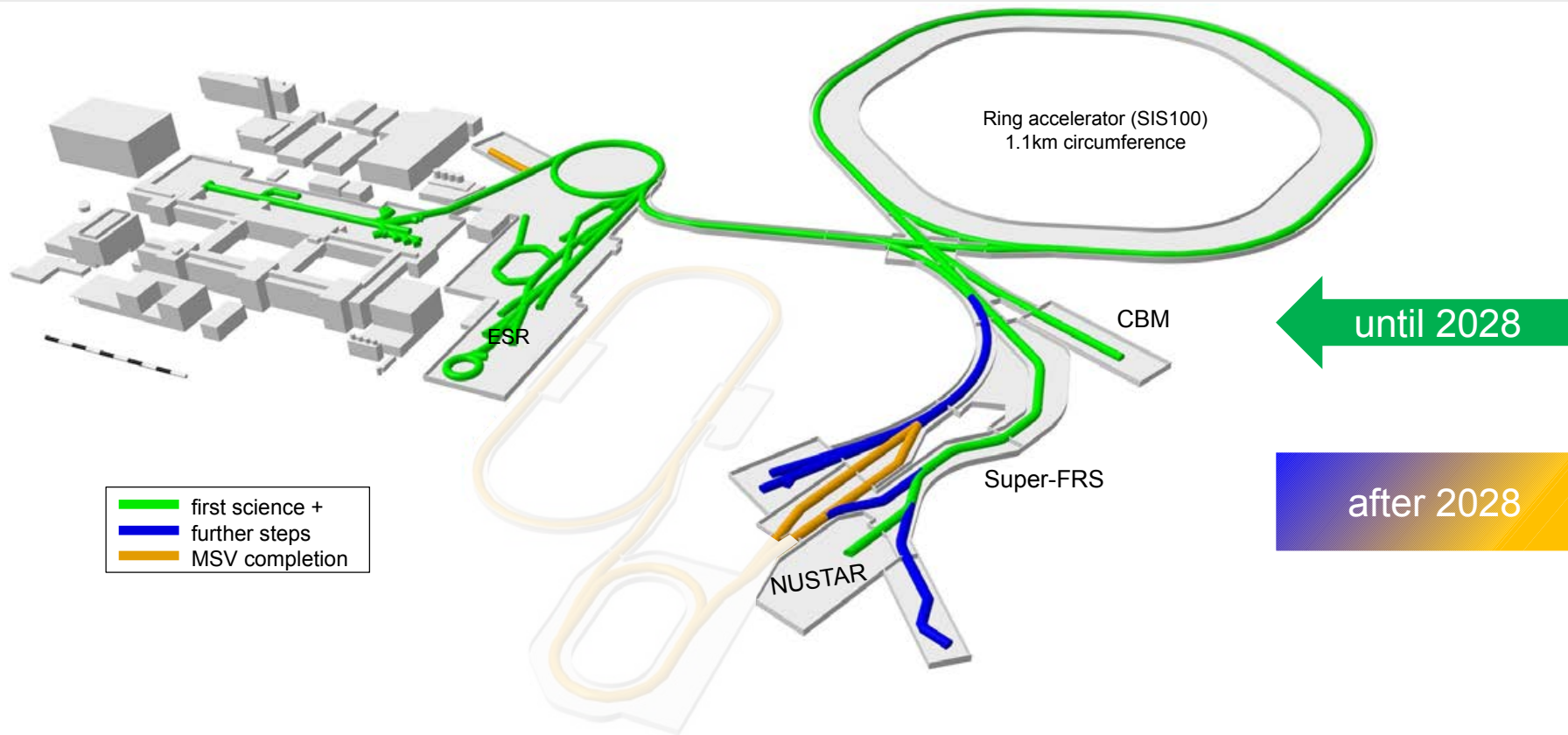
Gate

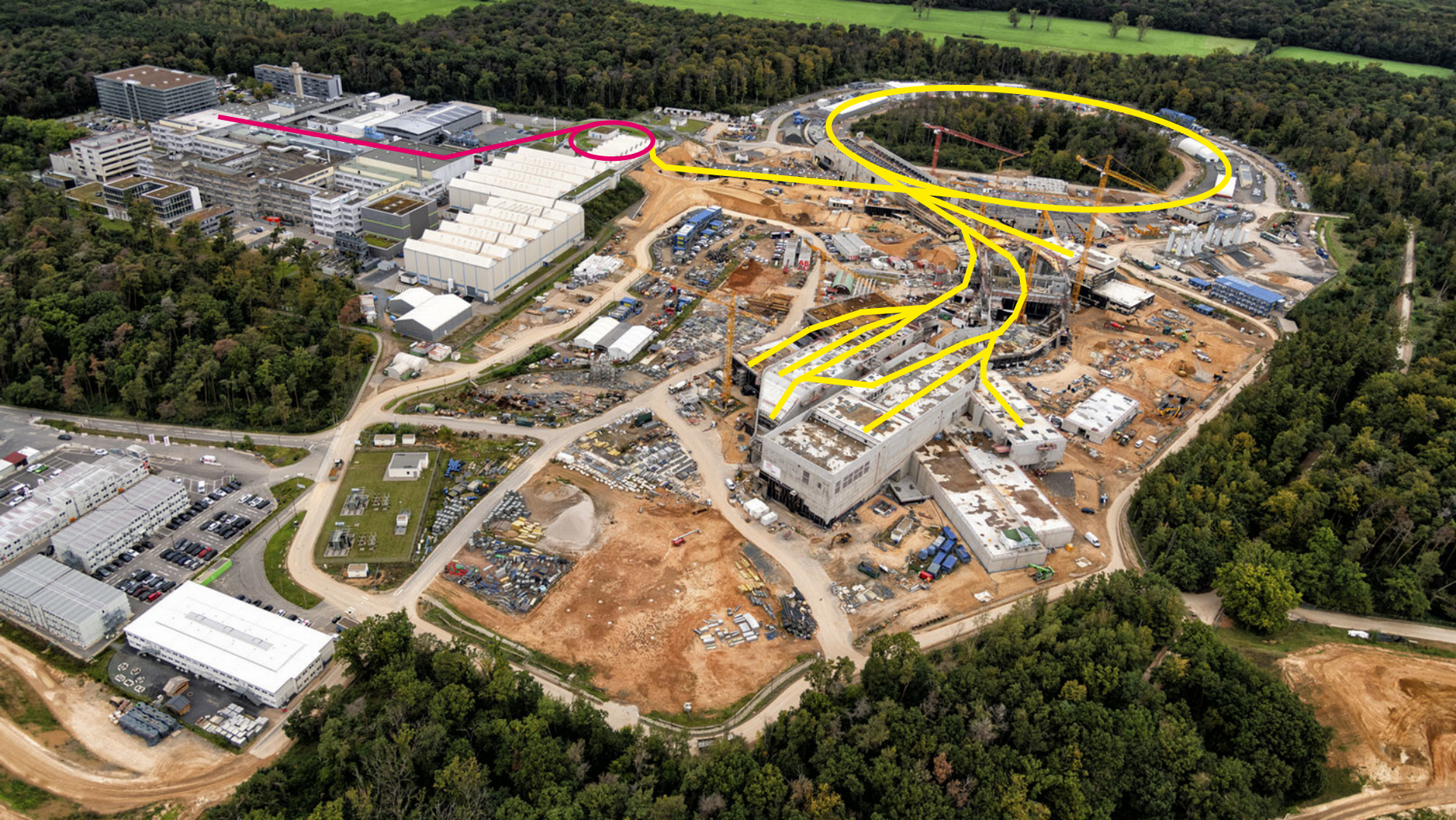


Construction Site

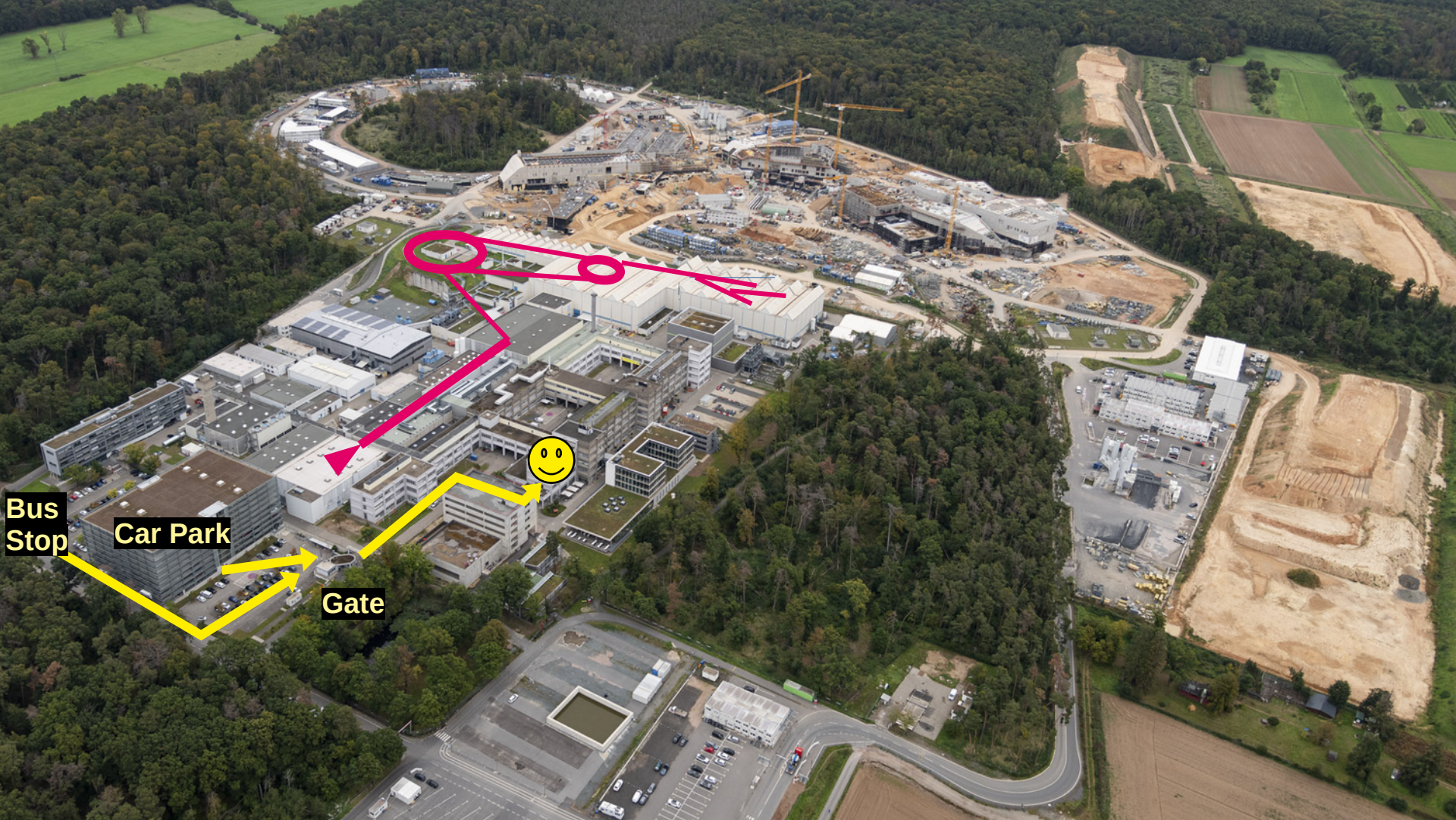
- 2 Mio m³ earth
(5,000 single family houses)
- 600,000 m³ concrete
(6m walls, 8 Frankfurt soccer stadiums)
- 65,000 t steal
(8 Eiffel towers or 650 locomotives)
- *Comparison: Fraport Terminal 3*
(270,000 m³ concrete, 60,000 t steal)

FAIR: Facility for Anti-proton and Ion Research (9+2 shareholders, physicists from 50 countries)





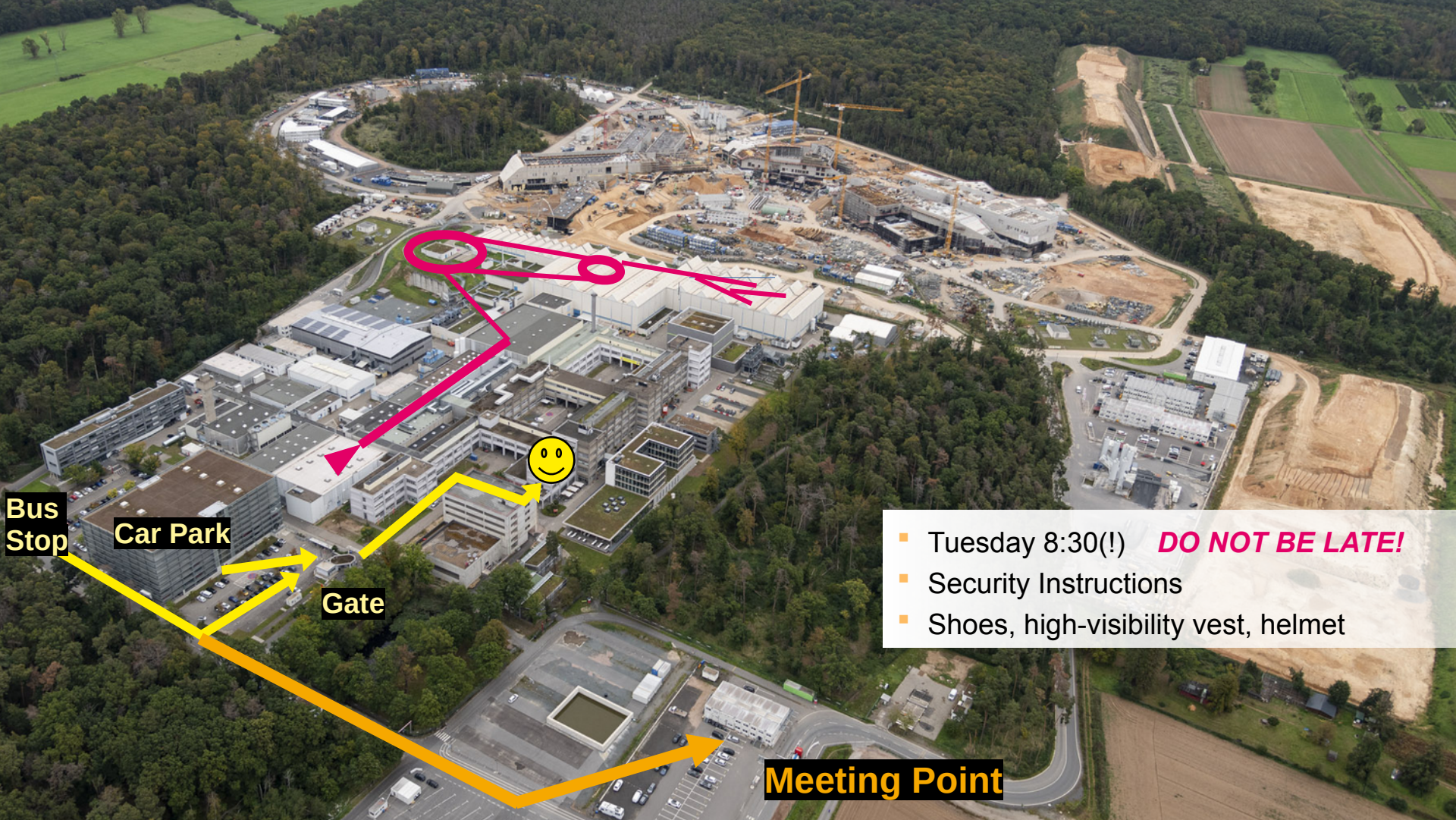




Bus Stop

Car Park

Gate



Bus Stop

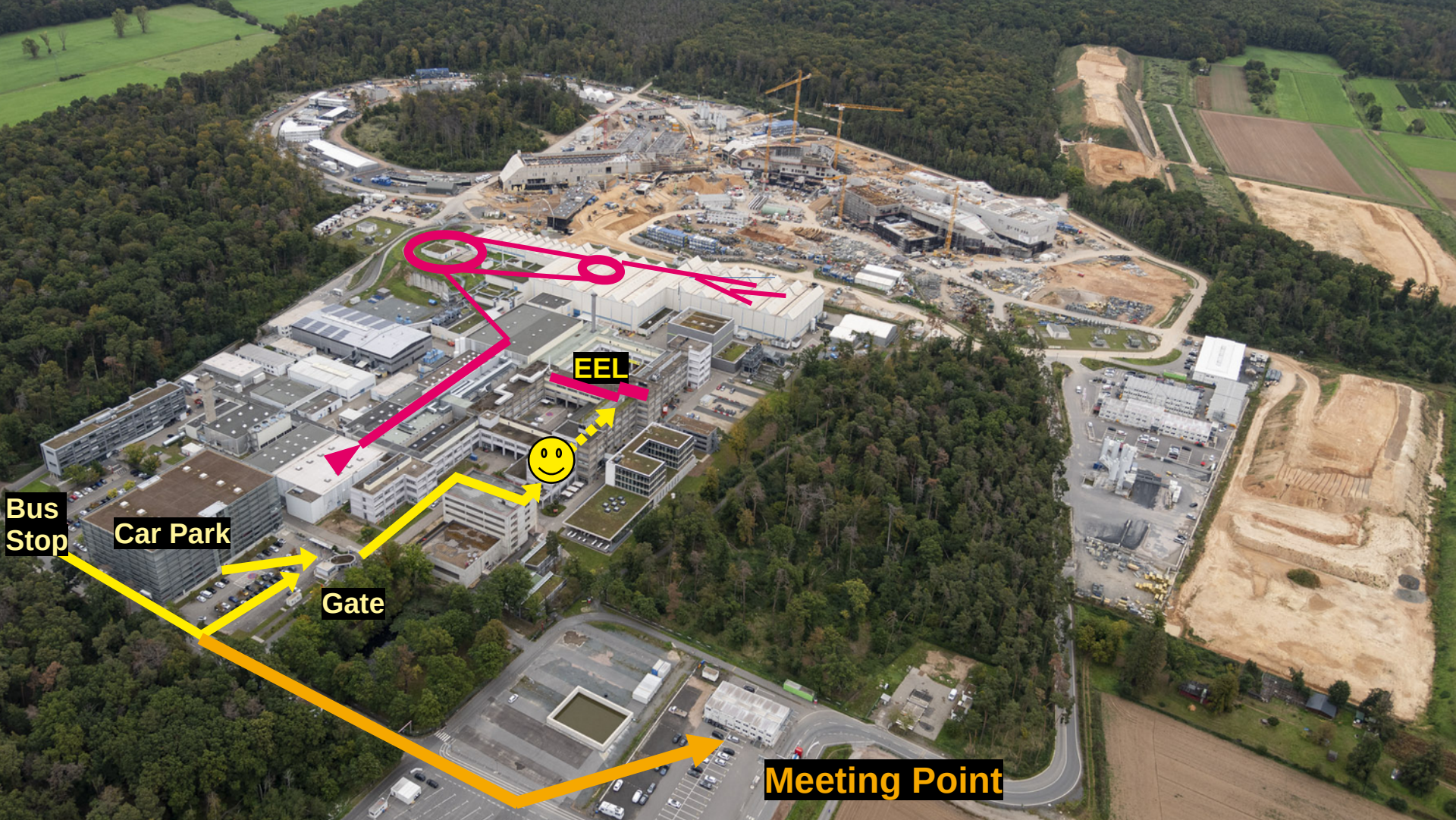
Car Park

Gate



Meeting Point

- Tuesday 8:30(!) **DO NOT BE LATE!**
- Security Instructions
- Shoes, high-visibility vest, helmet



EEL

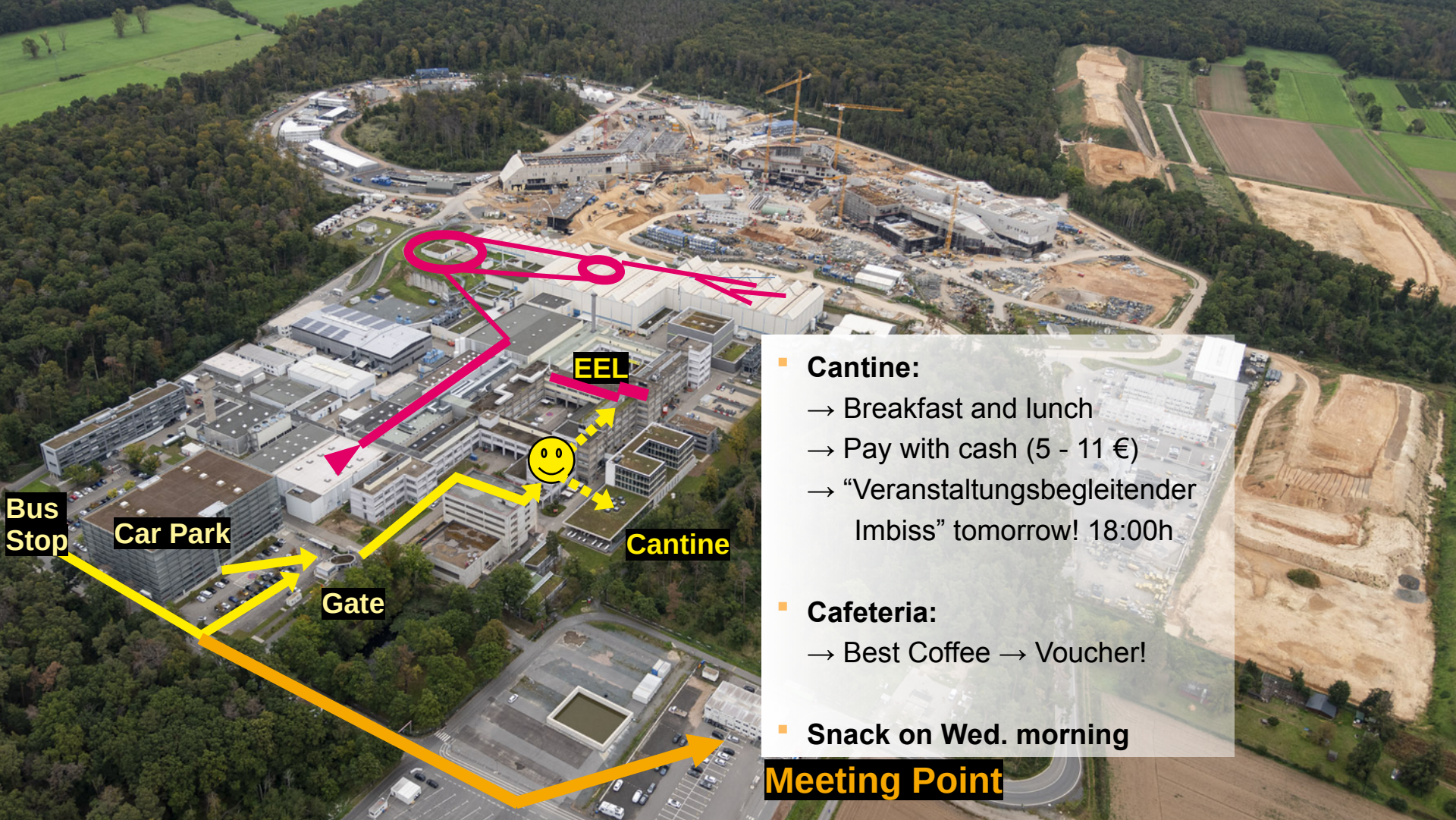


Bus Stop

Car Park

Gate

Meeting Point



Bus Stop

Car Park

Gate

EEL

Cantine

- **Cantine:**
 - Breakfast and lunch
 - Pay with cash (5 - 11 €)
 - “Veranstaltungsbegleitender Imbiss” tomorrow! 18:00h
- **Cafeteria:**
 - Best Coffee → Voucher!
- **Snack on Wed. morning**

Meeting Point

■ **Dinner (extern) ab 19:00:**

→ Restaurant “Zum Rosengarten” (s. Karte)

→ Selbstzahler

• **By car (about 20min):**

- Park in the streets or ☺
- Parking “*Bürgerpark*” (Darmstadt Nordbad, about 10min walk)

• **By public transportation (about 30min):**

- Take Bus from GSI to “*Dreieichweg*”
- Take Tram from “*Dreieichweg*” to “*Darmstadt Nordbahnhof*”

Meeting Point

