VISITS





1962 FBS



1965 SBB



1980 HPM



1993 TECHNO



1995 CLA

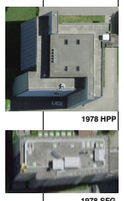


2012 HPL

1963 UST



1968 STF



1978 HPP

1978 SFG

1975 HTS



2004 HCI

1930 ML



2014 TONI

	ML	FBS	UST	SBB	STF	HTS	HPP	SFG	HPM	TECHNO	CLA	HCI	HPL	TONI
ADDRESS	Sonneggstrasse 3	Förrlibuckstrasse 110'	Welherallee 11a, Ueter	Langstrasse 175	Stampfenbachstrasse 114	Hardturmstrasse 161 / Förrlibuckstrasse 150	HPP, Hönggerberggring 64	Ausstellungsstrasse 104	HPM, Otto-Stern-Weg 3	Technoparkstrasse 1	Tannenstrasse 3	HCI, Wolfgang-Pauli-Strasse 10	HPL, Otto-Stern-Weg 7	Pfingstweidstrasse 96
CONTACT	Andi Schmid	Andreas Spack	Alberto Perales	Marino Weber	Saad Daoli	Raffaela Vattimo	Martin Wirth	Georges Kaufmann	Marco Eichenberger	Jens Knoche	Andi Schmid	Lukas Wild	Stefan Hauri	Michael Grimm
DATE OF VISIT	01.09.2025 08:00	04.11.2025 10:00	10.11.2025 08:00	16.10.2025 17:30	09.10.2025 10:00	08.10.2025 14:00	05.09.2025 13:00	17.10.2025 13:30	09.09.2025 10:00	04.11.2025 08:00	01.09.2025 08:00	02.09.2025 09:00	04.09.2025 11:00	08.10.2025 14:30
YEAR	**1933**	**1962**	**1963**	**1965**	**1968**	**1975**	**1978**	**1978**	**1980**	**1993**	**1995**	**2004**	**2012**	**2014**
TRANSFORMATION	1935, 1942, 1951, 1960, 1972, 2022	2006, 2024	2002, 2020, 2021	1988, 2016, 2026	2010	1999, 2016, 2019, 2022	1987, 2010	2013	2016, 2019	2013, 2016	2015, 2023	2022	2022	2014
USES	auditorium, office, laboratory	office, housing	office	office	office	office, commercial use, restaurant	office, laboratory	school	office, laboratory	office	office, laboratory, data center	auditorium, office, laboratory, canteen	office, laboratory	housing, office, canteen
BUILDING ZONE	Ow7 - zone for public buildings (municipal development plan)	Z8 - six story center zone (res. quota = 0)	-	Z5 - five story center zone	W5 - five story residential zone (res. quota = 0)	Z6 - six story center zone (res. quota = 0)	-	Ow - zone for public buildings	Ow - zone for public buildings	Z6 - six story center zone (res. quota = 0)	Ow06 - zone for public buildings (municipal development plan)	Ow - zone for public buildings	Ow - zone for public buildings	Z6 - six story center zone (res. quota = 16, municipal development plan)
ROOF AREA (m²)	**6 341 m2**	**1 840 m2**	**1 376 m2**	**580 m2**	**559 m2**	**6 253 m2**	**1 030 m2**	**923 m2**	**2 087 m2**	**1 862 m2**	**2 430 m2**	**16 786 m2**	**1 901 m2**	**3 148 m2**
% TECHNICAL DEVICES	**18,0 %**	**30,6 %**	**-**	**19,5 %**	**26,6 %**	**10,3 %**	**4,2 %**	**42,8 %**	**12,3 %**	**24,6 %**	**30,5 %**	**44,6 %**	**63,2 %**	**76,7 %**
TYPES OF DEVICES	lift machine room, heat exchanger, ventilation, weather station	ventilation	lift machine room, ventilation, chiller, solar panel	heat exchanger, maintenance crane, antenna	heat exchanger, ventilation	heat exchanger, ventilation, antenna, maintenance crane	antenna, weather station, maintenance crane	ventilation, maintenance crane, solar panel, weather station	ventilation, weather station, maintenance crane	ventilation, lift machine rooms	ventilation, maintenance crane	lift machine rooms, ventilation, maintenance crane, solar panels	ventilation, solar panels, weather station, maintenance crane	heat exchanger, ventilation, maintenance crane, antenna
SURFACE	gravel	gravel, green roof	gravel	gravel, bitumen membrane	gravel	gravel, green roof	concrete slabs, gravel	gravel	green roof	green roof, metal sheet	green roof, gravel	metal sheet, green roof	green roof	gravel
MAINTENANCE CYCLE	1x per year, external firm	1x per year, external firm	1x per year	-	2x per year, external firm	2x per year, external firm 1x per week internal inspection	1x per year, external firm	1x per year, external firm	1x per year, external firm	1x per year, external firms	1x per year, external firm	1x per year, external firm	1x per year, external firm	2x per year, external firm every 2 months internal inspection
ACCESS	staircase through storage room, overhead structure	staircase through ventilation control center	staircase next to lift machine room	ceiling hatch to ventilation control center with door, ladder antenna	staircase, roof hatch	access through ventilation control center, ladder to second level	access through ventilation control center	access through fire escape, sculptural staircase	access through ventilation control center, ladder to second level	access through staircase next to lift machine room	ladder through ventilation control center	staircase next to lift machine room	foldable ladder in garbage room, roof hatch	staircase next to lift machine room
NOISE (DB)	-	-	74 db	-	65 db	66 db	-	-	80 db (ventilation control center)	-	-	-	-	-
INFO	+ during summer, there was a beehive in the weather station, Andi Schmid was on the roof weekly + the roof of the 1972 extension hosts a research project with a parabolic reflector + the roof infrastructures on the 1942 extension are not used since 10 years and completely obsolete, but it would be too expensive to remove them (chimneys, ventilation, machine room, ...)	+ transformation project 2024, expansion of the „attic floor" previously used for technical rooms into 6 apartments, making use of the 1995 §282 PBG regulation	+ repair of a chiller on the roof, I joined for 1 of the 3,5 days process + chiller normally has to be inspected 1x per year, this year the firm was already on this roof 5 times for various defects and repairs (warranty of machine - 10 years but normally lasts up to 25 years) + 36kg of refrigerant was spilled from circuit B, very polluting greenhouse gas	+ currently in renovation, ventilation systems are planned to be added onto the roof + large antenna swisscom and sunrise restricts the planning process	+ the roof hatch is connected to a weather station and automated, it can only be opened when it is not raining + no safety equipment/ possibility to attach to a railing of hooks + roof extension 2010 added all the technical equipment on the roof (660 not happen at Hochhauamt Zürich next doors)	+ the buildings technical devices have been renovated throughout the last 10 years, still the building is planned to be demolished in 2035. the lifetime of the building is calculated from the lifespan of technical devices as it wouldn't be economically efficient to replace them again. + important location for antennas, the roof has a steel structure just for the attachment of antennas. the 3G antennas were removed in 2024 but the poles and cables partly remain	+ Martin Wirth visits the roof for sunrise almost every day, as he is one of the few persons with a key. He knows the view to all directions and can explain how far and what you can see (e.g. until Germany on a clear day) + sometimes there are problems with the waterproofing of the roof (concrete and tiles as roof surface are not ideal + the technical devices inside the control center are incredibly loud	+ the internal facility team is not permitted to enter the outer part of the roof, as a SUVA course would be needed (not profitable, as it would have to be repeated yearly) + crane is used often, for cleaning and maintenance purposes. has its own garage on the roof	+ floor with technical rooms is still in use, therefore roof almost free + ventilation control center of extension incredibly loud and a lot of vibration	+ all technical systems (ventilation, solar etc.) still from year of construction, only motors of ventilation systems have been changed + building has been extended by 2 floors in 2013, since then green roof (transformation was complicated as everything had to be brought in by helicopter) + new maintenance systems will be installed on the 05.11.2025 (installation very expensive but necessary due to SUVA norms) + green roof as „biotop", during summer a duck family lived there, the former technical manager had beehives on the roof + users constantly ask for a roof terrace, but the fire risk is too high due to cigarettes on dry greenery during summer	+ one of the most complicated technical buildings of ETH (due to frequent user changes the technical devices have to be adapted regularly) + the maintenance crane is not efficient anymore and will have to be replaced soon	+ solar panels are added by ETH Immobilien in sections (due to issues in financing), with the solar panels new maintenance bridges are added that guide people across the roof + constant adaption of technical systems due to size of the building, most of it is still from the construction of the building 25 years ago + conditions on roof: very bright, blinding, very hot in summer, almost no green surface areas + unused terraces one level below as they only connect to the ventilation control rooms and are not regularly accessible + facade crane is only used for maintenance (cleaning with external crane) as it is very slow and not so efficient anymore	+ roof with a lot of topography, movement across levels with ladders + specific regulations by Grünstadt Zürich, green roof concept with sand piles and dead wood	+ high-rise regulations: technical devices have to be within the highest point of the building + technical devices on the roof are for housing (100 apartments), offices and canteen + steel cage around infrastructural roofs, Michael Grimm: we from the facility services would prefer a railing so we could enjoy the view + lightning protection nets spanned across machines for insurance reasons

ML

ADDRESS	Sonneggstrasse 3
CONTACT	Andi Schmid
DATE OF VISIT	01.09.2025 08:00
YEAR	**1933**
TRANSFORMATION	1935, 1942, 1951, 1960, 1972, 2022
USES	auditorium, office, laboratory
BUILDING ZONE	Oe07 - zone for public buildings (municipal development plan)
ROOF AREA (m²)	**6 341 m2**
% TECHNICAL DEVICES	**18,0 %**
TYPES OF DEVICES	lift machine room, heat exchanger, ventilation, weather station
SURFACE	gravel
MAINTENANCE CYCLE	1x per year, external firm
ACCESS	staircase through storage room, overhead structure
NOISE (DB)	-
INFO	+ during summer, there was a beehive in the weather station, Andi Schmid was on the roof weekly + the roof of the 1972 extension hosts a research project with a parabolic reflector + the roof infrastructures on the 1942 extension are not used since 10 years and completely obsolete, but it would be too expensive to remove them (chimneys, ventilation, machine room, …)







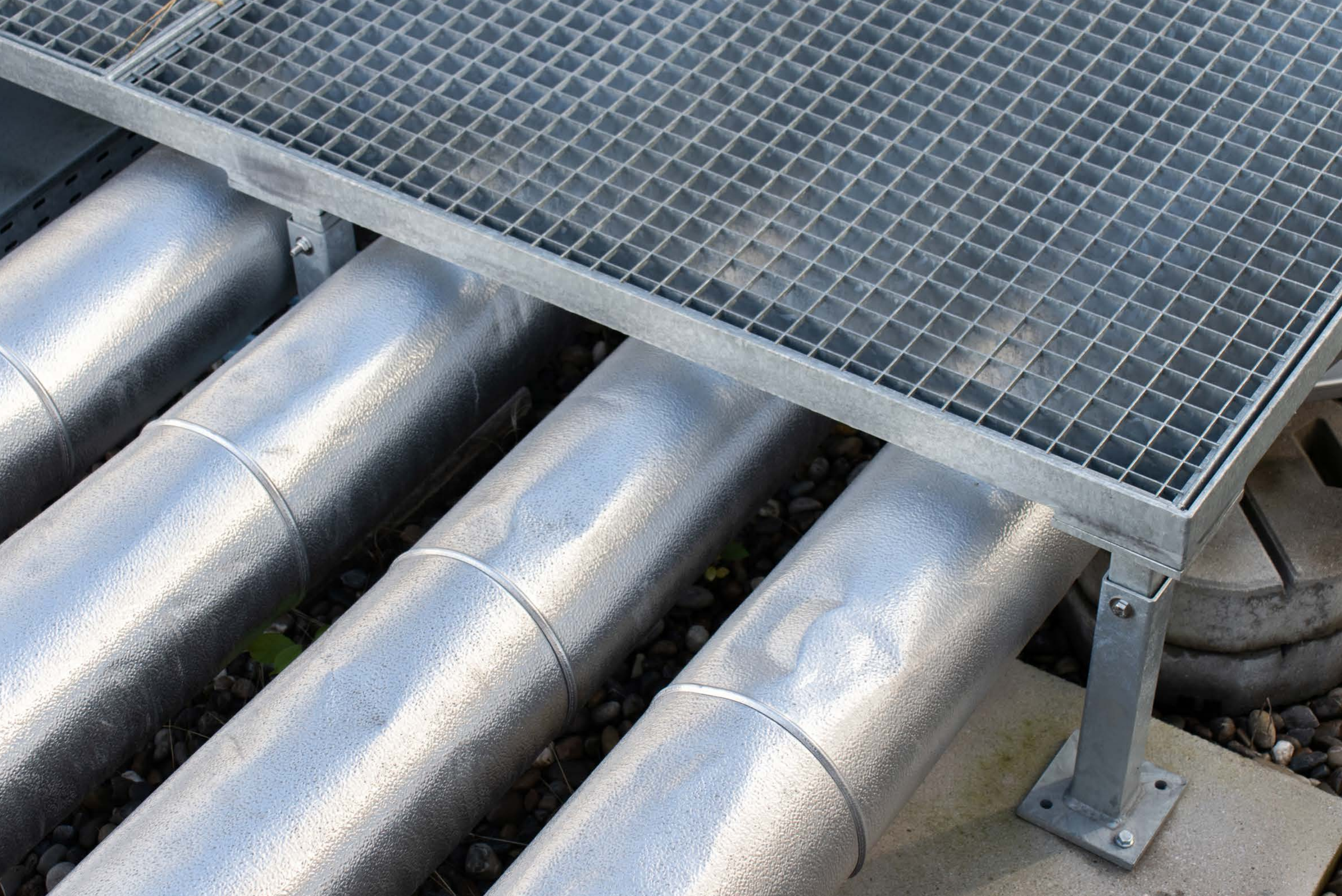


FBS

ADDRESS	Förrlibuckstrasse 110´
CONTACT	Andreas Speck
DATE OF VISIT	04.11.2025 10:00
YEAR	**1962**
TRANSFORMATION	2006, 2024
USES	office, housing
BUILDING ZONE	Z6 - six story center zone (res. quota = 0)
ROOF AREA (m²)	**1 840 m2**
% TECHNICAL DEVICES	**30,6 %**
TYPES OF DEVICES	ventilation
SURFACE	gravel, green roof
MAINTENANCE CYCLE	1x per year, external firm
ACCESS	staircase through ventilation control center
NOISE (DB)	-
INFO	+ transformation project 2024, expansion of the „attic floor“ previously used for technical rooms into 6 apartments, making use of the 1995 §292 PBG regulation







UST

ADDRESS	Weiherallee 11a, Uster
CONTACT	Alberto Perales
DATE OF VISIT	10.11.2025 08:00
YEAR	**1963**
TRANSFORMATION	2002, 2020, 2021
USES	office
BUILDING ZONE	-
ROOF AREA (m²)	**1 376 m2**
% TECHNICAL DEVICES	
TYPES OF DEVICES	lift machine room, ventilation, chiller, solar panel
SURFACE	gravel
MAINTENANCE CYCLE	1x per year
ACCESS	staircase next to lift machine room
NOISE (DB)	74 db

INFO

+ repair of a chiller on the roof, I joined for 1 of the 3,5 days process
+ chiller normally has to be inspected 1x per year, this year the firm was already on this roof 5 times for various defects and repairs (warranty of machine 10 years but normally lasts up to 25 years)
+ 36kg of refrigerant was spilled from circuit B, very polluting greenhouse gas


Carrier
walter Meier






ELEKTRIKER



SBB

ADDRESS	Langstrasse 175
CONTACT	Marino Weber
DATE OF VISIT	16.10.2025 17:30
YEAR	**1965**
TRANSFORMATION	1988, 2016, 2026
USES	office
BUILDING ZONE	Z5 - five story center zone
ROOF AREA (m²)	**580 m2**
% TECHNICAL DEVICES	**19,5 %**
TYPES OF DEVICES	heat exchanger, maintenance crane, antenna
SURFACE	gravel, bitumen membrane
MAINTENANCE CYCLE	-
ACCESS	ceiling hatch to ventilation control center with door, ladder antenna
NOISE (DB)	-
INFO	+ currently in renovation, ventilation systems are planned to be added onto the roof + large antenna swisscom and sunrise restricts the planning process











STF

ADDRESS	Stampfenbachstrasse 114
CONTACT	Sead Dauti
DATE OF VISIT	09.10.2025 10:00
YEAR	**1968**
TRANSFORMATION	2010
USES	office
BUILDING ZONE	W5 - five story residential zone (res. quota = 0)
ROOF AREA (m²)	**559 m2**
% TECHNICAL DEVICES	**26,6 %**
TYPES OF DEVICES	heat exchanger, ventilation
SURFACE	gravel
MAINTENANCE CYCLE	2x per year, external firm
ACCESS	staircase, roof hatch
NOISE (DB)	65 db
INFO	+ the roof hatch is connected to a weather station and automated, it can only be opened when it is not raining + no safety equipment/ possibility to attach to a railing of hooks + roof extension 2010 added all the technical equipment on the roof (did not happen at Hochbauamt Zürich next doors)




STFL:KAE0003
GREE
GMV5 Mini
diotherm
Kälte- und Klimatechnik
N.1









HTS

ADDRESS	Hardturmstrasse 161 / Förrlibuckstrasse 150
CONTACT	Raffaele Vattimo
DATE OF VISIT	06.10.2025 14:00
YEAR	**1975**
TRANSFORMATION	1999, 2016, 2019, 2022
USES	office, commercial use, restaurant
BUILDING ZONE	Z6 - six story center zone (res. quota = 0)
ROOF AREA (m²)	**6 253 m2**
% TECHNICAL DEVICES	**10,3 %**
TYPES OF DEVICES	heat exchanger, ventilation, antenna, maintenance crane
SURFACE	gravel, green roof
MAINTENANCE CYCLE	2x per year, external firm 1x per week internal inspection
ACCESS	access through ventilation control center, ladder to second level
NOISE (DB)	66 db
INFO	+ the buildings technical devices have been renovated throughout the last 10 years, still the building is planned to be demolished in 2035. the lifetime of the building is calculated from the lifespan of technical devices as it wouldn't be economically efficient to replace them again. + important location for antennas, the roof has a steel structure just for the attachment of antennas. the 3G antennas were removed in 2024 but the poles and cables partly remain













HPP

ADDRESS	HPP, Hönggerbergring 64
CONTACT	Martin Wirth
DATE OF VISIT	05.09.2025 13:00
YEAR	**1978**
TRANSFORMATION	1987, 2010
USES	office, laboratory
BUILDING ZONE	Oe - zone for public buildings
ROOF AREA (m²)	**1 030 m2**
% TECHNICAL DEVICES	**4,2 %**
TYPES OF DEVICES	antenna, weather station, maintenance crane
SURFACE	concrete slabs, gravel
MAINTENANCE CYCLE	1x per year, external firm
ACCESS	access through ventilation control center
NOISE (DB)	-
INFO	+ Martin Wirth visits the roof for sunrise almost every day, as he is one of the few persons with a key. He knows the view to all directions and can explain how far and what you can see (e.g. until Germany on a clear day) + sometimes there are problems with the waterproofing of the roof (concrete and tiles as roof surface are not ideal + the technical devices inside the control center are incredibly loud









SFG

ADDRESS	Ausstellungsstrasse 104
CONTACT	Georges Kaufmann
DATE OF VISIT	17.10.2025 13:30
YEAR	**1978**
TRANSFORMATION	2013
USES	school
BUILDING ZONE	Oe7 - zone for public buildings
ROOF AREA (m²)	**923 m2**
% TECHNICAL DEVICES	**42,8 %**
TYPES OF DEVICES	ventilation, maintenance crane, solar panel, weather station
SURFACE	gravel
MAINTENANCE CYCLE	1x per year, external firm
ACCESS	access through fire escape, sculptural staircase
NOISE (DB)	-
INFO	+ the internal facility team is not permitted to enter the outer part of the roof, as a SUVA course would be needed (not profitable, as it would have to be repeated yearly) + crane is used often, for cleaning and maintenance purposes, has its own garage on the roof







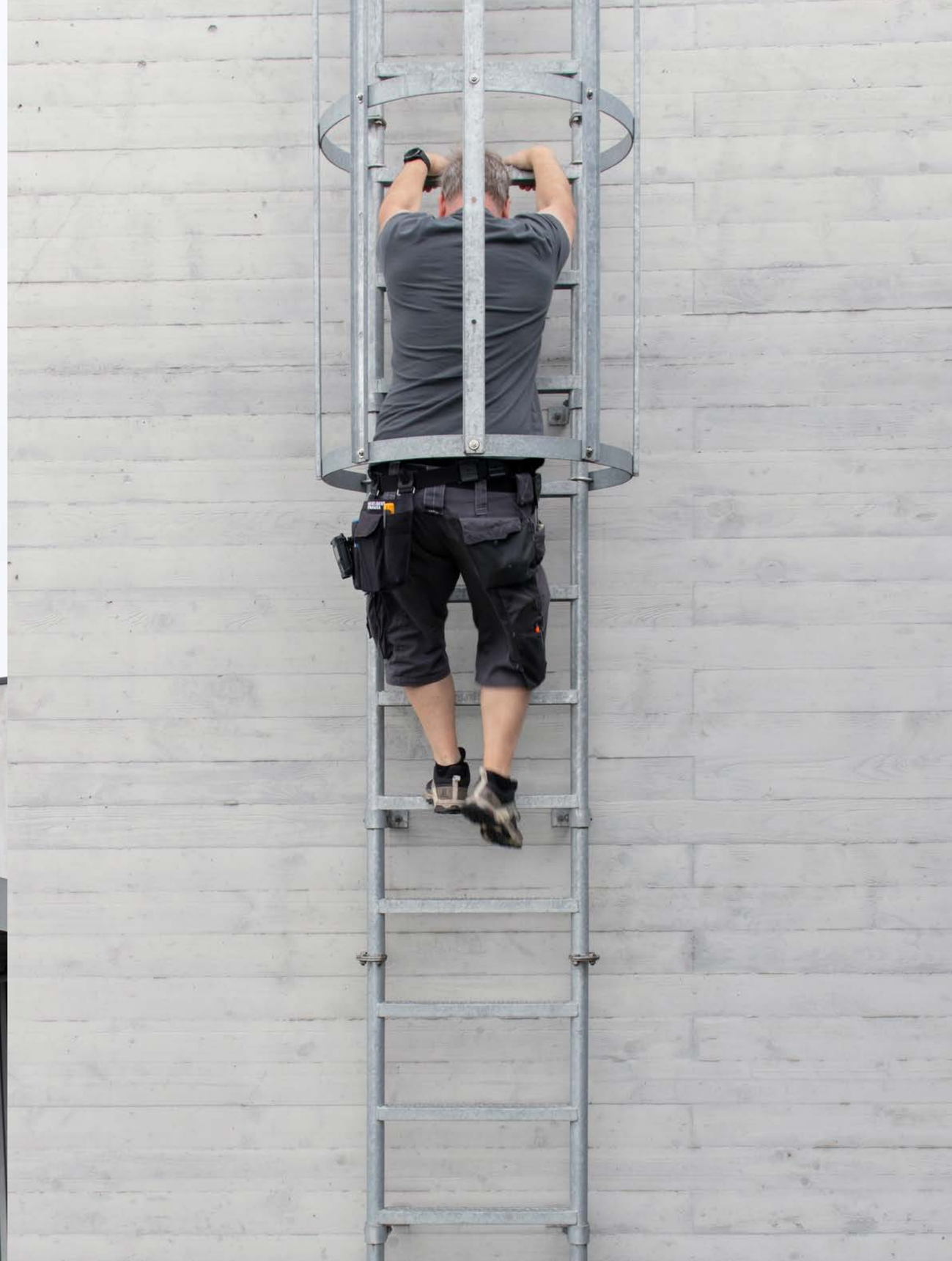


HPM

ADDRESS	HPM, Otto-Stern-Weg 3
CONTACT	Marco Eichenberger
DATE OF VISIT	09.09.2025 10:00
YEAR	**1980**
TRANSFORMATION	2016, 2019
USES	office, laboratory
BUILDING ZONE	Oe - zone for public buildings
ROOF AREA (m²)	**2 087 m2**
% TECHNICAL DEVICES	**12,3 %**
TYPES OF DEVICES	ventilation, weather station, maintenance crane
SURFACE	green roof
MAINTENANCE CYCLE	1x per year, external firm
ACCESS	access through ventilation control center, ladder to second level
NOISE (DB)	80 db (ventilation control center)
INFO	+ floor with technical rooms is still in use, therefore roof almost free + ventilation control center of extension incredibly loud and a lot of vibration









TECHNO

ADDRESS	Technoparkstrasse 1
CONTACT	Jens Knoche
DATE OF VISIT	04.11.2025 08:00
YEAR	**1993**
TRANSFORMATION	2013, 2016
USES	office
BUILDING ZONE	Z6 - six story center zone (res. quota = 0)
ROOF AREA (m²)	**1 862 m2**
% TECHNICAL DEVICES	**24,6 %**
TYPES OF DEVICES	ventilation, lift machine rooms
SURFACE	green roof, metal sheet
MAINTENANCE CYCLE	1x per year, external firms
ACCESS	access through staircase next to lift machine room
NOISE (DB)	-
INFO	+ all technical systems (ventilation, solar etc.) still from year of construction, only motors of ventilation systems have been changed + building has been extended by 2 floors in 2013, since then green roof (transformation was complicated as everything had to be brought in by helicopter) + new maintenance systems will be installed on the 05.11.2025 (installation very expensive but necessary due to SUVA norms) + green roof as „biotop“, during summer a duck family lived there, the former technical manager had beehives on the roof

GEA Searle










TECHNOPARK

CLA

ADDRESS	Tannenstrasse 3
CONTACT	Andi Schmid
DATE OF VISIT	01.09.2025 08:00
YEAR	**1995**
TRANSFORMATION	2015, 2023
USES	office, laboratory, data center
BUILDING ZONE	Oe06 - zone for public buildings (municipal development plan)
ROOF AREA (m²)	**2 430 m2**
% TECHNICAL DEVICES	**30,5 %**
TYPES OF DEVICES	ventilation, maintenance crane
SURFACE	green roof, gravel
MAINTENANCE CYCLE	1x per year, external firm
ACCESS	ladder through ventilation control center
NOISE (DB)	-
INFO	+ one of the most complicated technical buildings of ETH (due to frequent user changes the technical devices have to be adapted regularly) + the maintenance crane is not efficient anymore and will have to be replaced soon







HCI

ADDRESS	HCI, Wolfgang-Pauli-Strasse 10
CONTACT	Lukas Wild
DATE OF VISIT	02.09.2025 09:00
YEAR	**2004**
TRANSFORMATION	2022
USES	auditorium, office, laboratory, canteen
BUILDING ZONE	Oe - zone for public buildings
ROOF AREA (m²)	**16 786 m2**
% TECHNICAL DEVICES	**44,6 %**
TYPES OF DEVICES	lift machine rooms, ventilation, maintenance crane, solar panels
SURFACE	metal sheet, green roof
MAINTENANCE CYCLE	1x per year, external firm
ACCESS	staircase next to lift machine room
NOISE (DB)	-
INFO	+ solar panels are added by ETH Immobilien in sections (due to issues in financing), with the solar panels new maintenance bridges are added that guide people across the roof + constant adaption of technical systems due to size of the building, most of it is still from the construction of the building 25 years ago + conditions on roof: very bright, blinding, very hot in summer, almost no green surface areas + unused terraces one level below as they only connect to the ventilation control rooms and are not regularly accessible













HPL

ADDRESS	HPL, Otto-Stern-Weg 7
CONTACT	Stefan Hauri
DATE OF VISIT	04.09.2025 11:00
YEAR	**2012**
TRANSFORMATION	2022
USES	office, laboratory
BUILDING ZONE	Oe - zone for public buildings
ROOF AREA (m²)	**1 901 m2**
% TECHNICAL DEVICES	**63,2 %**
TYPES OF DEVICES	ventilation, solar panels, weather station, maintenance crane
SURFACE	green roof
MAINTENANCE CYCLE	1x per year, external firm
ACCESS	foldable ladder in garbage room, roof hatch
NOISE (DB)	-
INFO	+ roof with a lot of topography, movement across levels with ladders + specific regulations by Grünstadt Zürich, green roof concept with sand piles and dead wood






STOP









TONI

ADDRESS	Pfingstweidstrasse 96
CONTACT	Michael Grimm
DATE OF VISIT	08.10.2025 14:30
YEAR	**2014**
TRANSFORMATION	-
USES	housing, office, canteen
BUILDING ZONE	Z6 - six story center zone (res. quota = 16, municipal development plan)
ROOF AREA (m²)	**3 148 m2**
% TECHNICAL DEVICES	**76,7 %**
TYPES OF DEVICES	heat exchanger, ventilation, maintenance crane, antenna
SURFACE	gravel
MAINTENANCE CYCLE	2x per year, external firm every 2 months internal inspection
ACCESS	staircase next to lift machine room
NOISE (DB)	-
INFO	+ high-rise regulations: technical devices have to be within the highest point of the building + technical devices on the roof are for housing (100 apartments), offices and canteen + steel cage around infrastructural roofs, Michael Grimm: we from the facility services would prefer a railing so we could enjoy the view + lightning protection nets spanned across machines for insurance reasons


CABERO
WÄRMETAUSCHER















1962 FBS



1965 SBB



1980 HPM



1993 TECHNO



1995 CLA

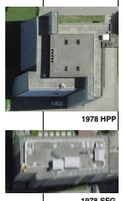


2012 HPL

1963 UST



1968 STF



1978 HPP

1978 SFG

1975 HTS



2004 HCI

1930 ML



2014 TONI

	ML	FBS	UST	SBB	STF	HTS	HPP	SFG	HPM	TECHNO	CLA	HCI	HPL	TONI
ADDRESS	Sonneggstrasse 3	Förrlibuckstrasse 110'	Welherallee 11a, Ueter	Langstrasse 175	Stampfenbachstrasse 114	Hardturmstrasse 161 / Förrlibuckstrasse 150	HPP, Hönggerberggring 64	Ausstellungsstrasse 104	HPM, Otto-Stern-Weg 3	Technoparkstrasse 1	Tannenstrasse 3	HCI, Wolfgang-Pauli-Strasse 10	HPL, Otto-Stern-Weg 7	Pfingstweidstrasse 96
CONTACT	Andi Schmid	Andreas Spack	Alberto Perales	Marino Weber	Saad Daoli	Raffaela Vattimo	Martin Wirth	Georges Kaufmann	Marco Eichenberger	Jens Knoche	Andi Schmid	Lukas Wild	Stefan Hauri	Michael Grimm
DATE OF VISIT	01.09.2025 08:00	04.11.2025 10:00	10.11.2025 08:00	16.10.2025 17:30	09.10.2025 10:00	08.10.2025 14:00	05.09.2025 13:00	17.10.2025 13:30	09.09.2025 10:00	04.11.2025 08:00	01.09.2025 08:00	02.09.2025 09:00	04.09.2025 11:00	08.10.2025 14:30
YEAR	**1933**	**1962**	**1963**	**1965**	**1968**	**1975**	**1978**	**1978**	**1980**	**1993**	**1995**	**2004**	**2012**	**2014**
TRANSFORMATION	1935, 1942, 1951, 1960, 1972, 2022	2006, 2024	2002, 2020, 2021	1988, 2016, 2026	2010	1999, 2016, 2019, 2022	1987, 2010	2013	2016, 2019	2013, 2016	2015, 2023	2022	2022	2014
USES	auditorium, office, laboratory	office, housing	office	office	office	office, commercial use, restaurant	office, laboratory	school	office, laboratory	office	office, laboratory, data center	auditorium, office, laboratory, canteen	office, laboratory	housing, office, canteen
BUILDING ZONE	Ow7 - zone for public buildings (municipal development plan)	Z8 - six story center zone (res. quota = 0)	-	Z5 - five story center zone	W5 - five story residential zone (res. quota = 0)	Z6 - six story center zone (res. quota = 0)	-	Ow - zone for public buildings	Ow - zone for public buildings	Z6 - six story center zone (res. quota = 0)	Ow06 - zone for public buildings (municipal development plan)	Ow - zone for public buildings	Ow - zone for public buildings	Z6 - six story center zone (res. quota = 16, municipal development plan)
ROOF AREA (m²)	**6 341 m2**	**1 840 m2**	**1 376 m2**	**580 m2**	**559 m2**	**6 253 m2**	**1 030 m2**	**923 m2**	**2 087 m2**	**1 862 m2**	**2 430 m2**	**16 786 m2**	**1 901 m2**	**3 148 m2**
% TECHNICAL DEVICES	**18,0 %**	**30,6 %**	**-**	**19,5 %**	**26,6 %**	**10,3 %**	**4,2 %**	**42,8 %**	**12,3 %**	**24,6 %**	**30,5 %**	**44,6 %**	**63,2 %**	**76,7 %**
TYPES OF DEVICES	lift machine room, heat exchanger, ventilation, weather station	ventilation	lift machine room, ventilation, chiller, solar panel	heat exchanger, maintenance crane, antenna	heat exchanger, ventilation	heat exchanger, ventilation, antenna, maintenance crane	antenna, weather station, maintenance crane	ventilation, maintenance crane, solar panel, weather station	ventilation, weather station, maintenance crane	ventilation, lift machine rooms	ventilation, maintenance crane	lift machine rooms, ventilation, maintenance crane, solar panels	ventilation, solar panels, weather station, maintenance crane	heat exchanger, ventilation, maintenance crane, antenna
SURFACE	gravel	gravel, green roof	gravel	gravel, bitumen membrane	gravel	gravel, green roof	concrete slabs, gravel	gravel	green roof	green roof, metal sheet	green roof, gravel	metal sheet, green roof	green roof	gravel
MAINTENANCE CYCLE	1x per year, external firm	1x per year, external firm	1x per year	-	2x per year, external firm	2x per year, external firm 1x per week internal inspection	1x per year, external firm	1x per year, external firm	1x per year, external firm	1x per year, external firms	1x per year, external firm	1x per year, external firm	1x per year, external firm	2x per year, external firm every 2 months internal inspection
ACCESS	staircase through storage room, overhead structure	staircase through ventilation control center	staircase next to lift machine room	ceiling hatch to ventilation control center with door, ladder antenna	staircase, roof hatch	access through ventilation control center, ladder to second level	access through ventilation control center	access through fire escape, sculptural staircase	access through ventilation control center, ladder to second level	access through staircase next to lift machine room	ladder through ventilation control center	staircase next to lift machine room	foldable ladder in garbage room, roof hatch	staircase next to lift machine room
NOISE (DB)	-	-	74 db	-	65 db	66 db	-	-	80 db (ventilation control center)	-	-	-	-	-
INFO	+ during summer, there was a beehive in the weather station, Andi Schmid was on the roof weekly + the roof of the 1972 extension hosts a research project with a parabolic reflector + the roof infrastructures on the 1942 extension are not used since 10 years and completely obsolete, but it would be too expensive to remove them (chimneys, ventilation, machine room, ...)	+ transformation project 2024, expansion of the „attic floor" previously used for technical rooms into 6 apartments, making use of the 1995 §282 PBG regulation	+ repair of a chiller on the roof, I joined for 1 of the 3,5 days process + chiller normally has to be inspected 1x per year, this year the firm was already on this roof 5 times for various defects and repairs (warranty of machine - 10 years but normally lasts up to 25 years) + 36kg of refrigerant was spilled from circuit B, very polluting greenhouse gas	+ currently in renovation, ventilation systems are planned to be added onto the roof + large antenna swisscom and sunrise restricts the planning process	+ the roof hatch is connected to a weather station and automated, it can only be opened when it is not raining + no safety equipment/ possibility to attach to a railing of hooks + roof extension 2010 added all the technical equipment on the roof (660 not happen at Hochhauamt Zürich next doors)	+ the buildings technical devices have been renovated throughout the last 10 years, still the building is planned to be demolished in 2035. the lifetime of the building is calculated from the lifespan of technical devices as it wouldn't be economically efficient to replace them again. + important location for antennas, the roof has a steel structure just for the attachment of antennas. the 3G antennas were removed in 2024 but the poles and cables partly remain	+ Martin Wirth visits the roof for sunrise almost every day, as he is one of the few persons with a key. He knows the view to all directions and can explain how far and what you can see (e.g. until Germany on a clear day) + sometimes there are problems with the waterproofing of the roof (concrete and tiles as roof surface are not ideal + the technical devices inside the control center are incredibly loud	+ the internal facility team is not permitted to enter the outer part of the roof, as a SUVA course would be needed (not profitable, as it would have to be repeated yearly) + crane is used often, for cleaning and maintenance purposes. has its own garage on the roof	+ floor with technical rooms is still in use, therefore roof almost free + ventilation control center of extension incredibly loud and a lot of vibration	+ all technical systems (ventilation, solar etc.) still from year of construction, only motors of ventilation systems have been changed + building has been extended by 2 floors in 2013, since then green roof (transformation was complicated as everything had to be brought in by helicopter) + new maintenance systems will be installed on the 05.11.2025 (installation very expensive but necessary due to SUVA norms) + green roof as „biotop", during summer a duck family lived there, the former technical manager had beehives on the roof + users constantly ask for a roof terrace, but the fire risk is too high due to cigarettes on dry greenery during summer	+ one of the most complicated technical buildings of ETH (due to frequent user changes the technical devices have to be adapted regularly) + the maintenance crane is not efficient anymore and will have to be replaced soon	+ solar panels are added by ETH Immobilien in sections (due to issues in financing), with the solar panels new maintenance bridges are added that guide people across the roof + constant adaption of technical systems due to size of the building, most of it is still from the construction of the building 25 years ago + conditions on roof: very bright, blinding, very hot in summer, almost no green surface areas + unused terraces one level below as they only connect to the ventilation control rooms and are not regularly accessible + facade crane is only used for maintenance (cleaning with external crane) as it is very slow and not so efficient anymore	+ roof with a lot of topography, movement across levels with ladders + specific regulations by Grünstadt Zürich, green roof concept with sand piles and dead wood	+ high-rise regulations: technical devices have to be within the highest point of the building + technical devices on the roof are for housing (100 apartments), offices and canteen + steel cage around infrastructural roofs, Michael Grimm: we from the facility services would prefer a railing so we could enjoy the view + lightning protection nets spanned across machines for insurance reasons

