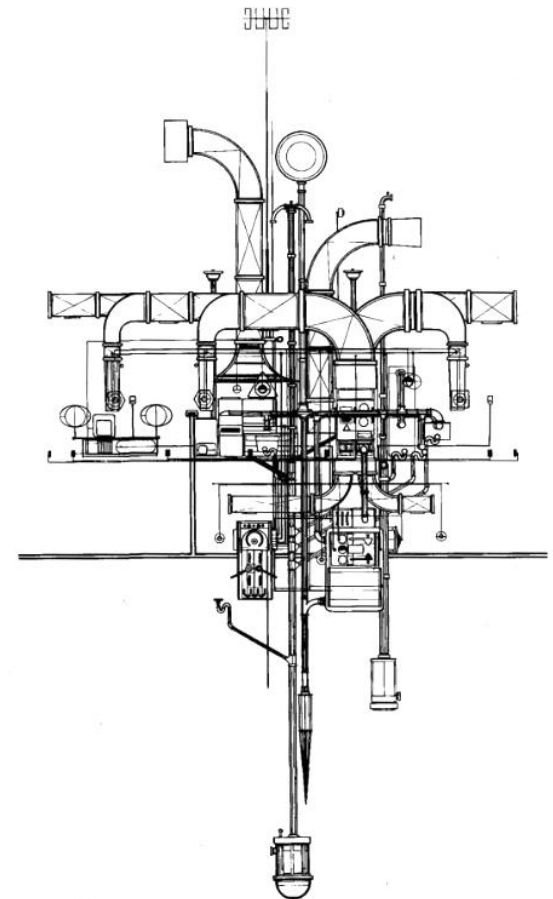
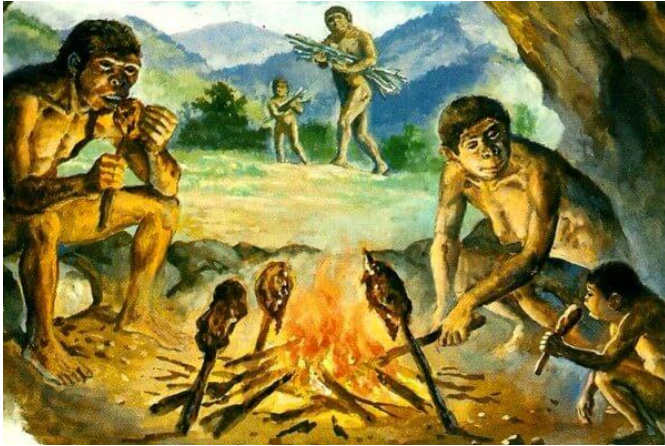




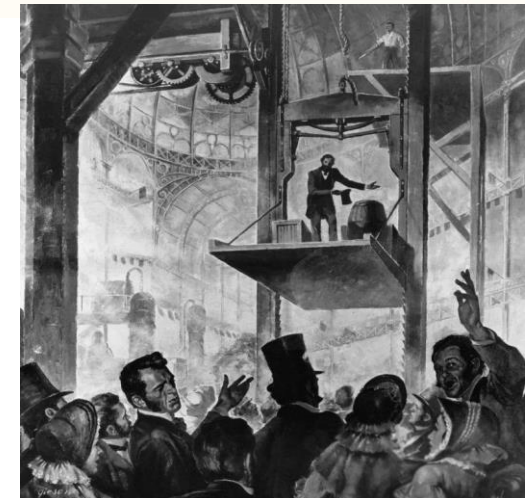
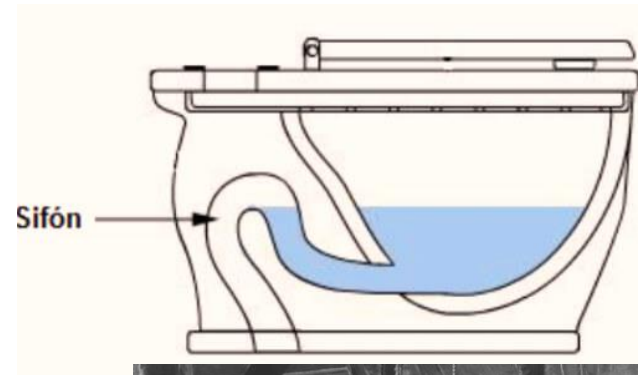
INSTALACIONES y ARQUITECTURA



Calidad de vida y solución de problemas



Partes de una bombilla



DISEÑO, ORDEN Y ACCESIBILIDAD

- ELEMENTO GENERADOR DE PROYECTO
- DEMANDA DE ESPACIO EDIFICIO
- VERTIGINOSA EVOLUCIÓN
- ASPECTOS TÉCNICOS
- ASPECTOS NORMATIVOS

15% - 30% - 60% del costo
DE EQUIPAR CHASIS A VESTIR ORDENADORES

LABORATORIOS RICHARDS – LOUIS I. KHAN

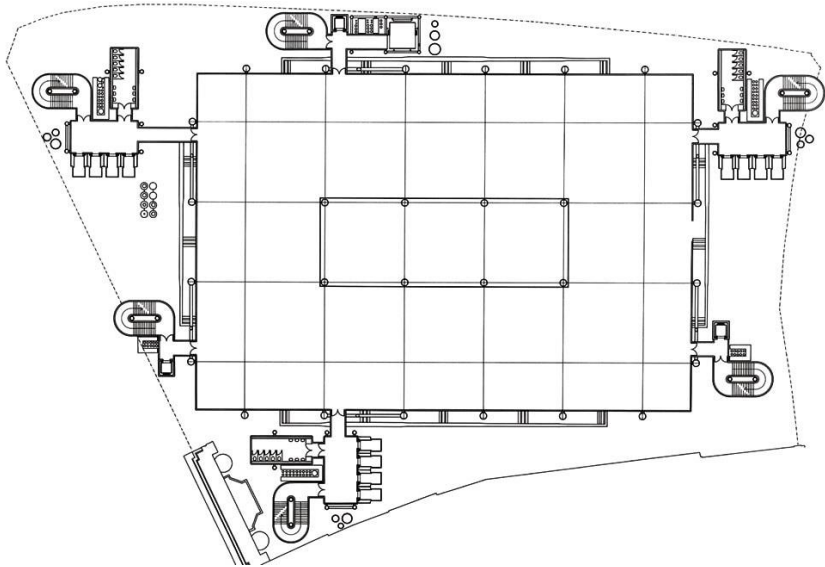


“NO ME GUSTAN LOS TUBOS Y LAS CAÑERÍAS, REALMENTE LOS ODIÓ POR COMPLETO, PERO A CAUSA DE ESTO, CREO QUE SE LES DEBE DAR LUGAR. SI SOLO LOS ODIASE Y NO TUVIESE CUIDADO CREO QUE INVADIRÍAN EL EDIFICIO Y LO DESTRUIRÍAN TOTALMENTE”

Louis I. Khan

CENTRO GEORGE POMPIDOU – ROGERS / PIANO



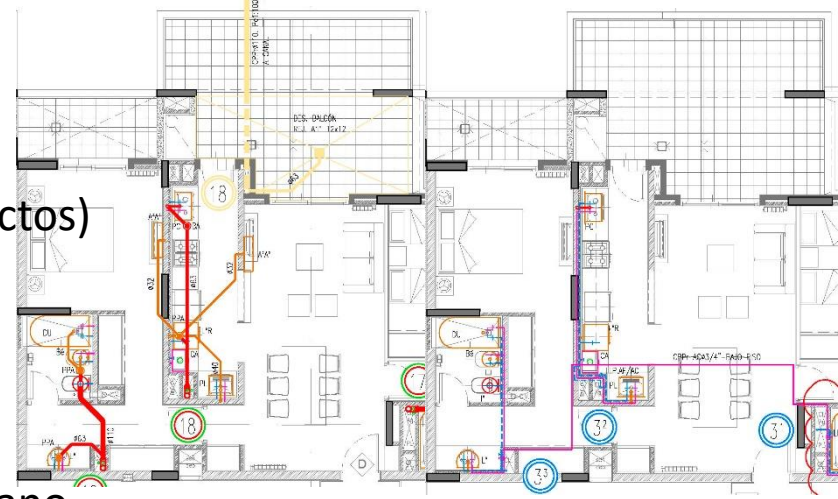


LLOYD'S BUILDING – ROGERS



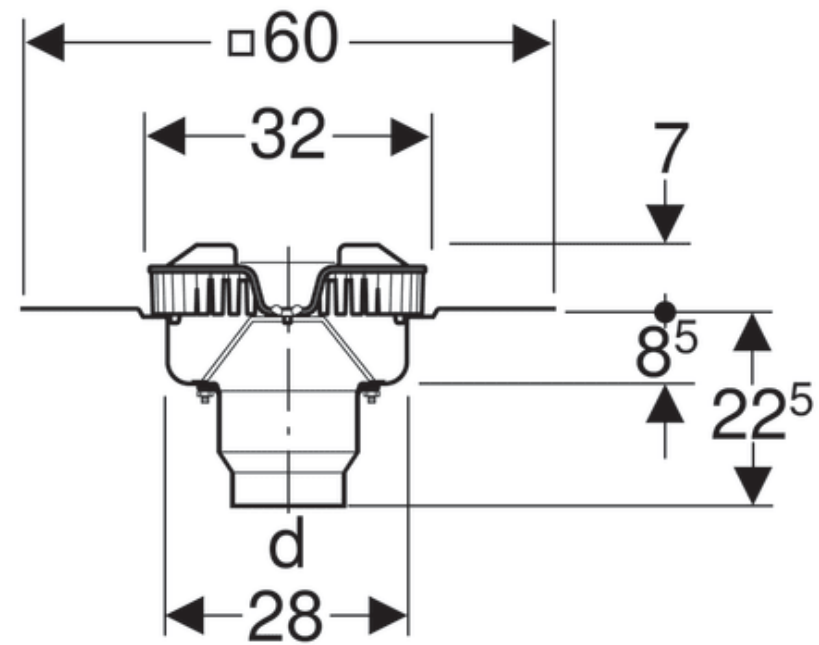
SANITARIAS

- RECORRIDOS ORDENADOS (evaluación de conflictos)
- ACCESIBLES (mantenimiento y recambio)
- VOLÚMENES DE RESERVAS Y RECOLECCIÓN
- EVACUACIÓN POR GRAVEDAD vacío inducido
- SEPARACIÓN DE AGUAS GRISES reutilización
- AGUAS NEGRAS transformación barros, gas metano
- AHORROS DE CONSUMO corte automático, sensores

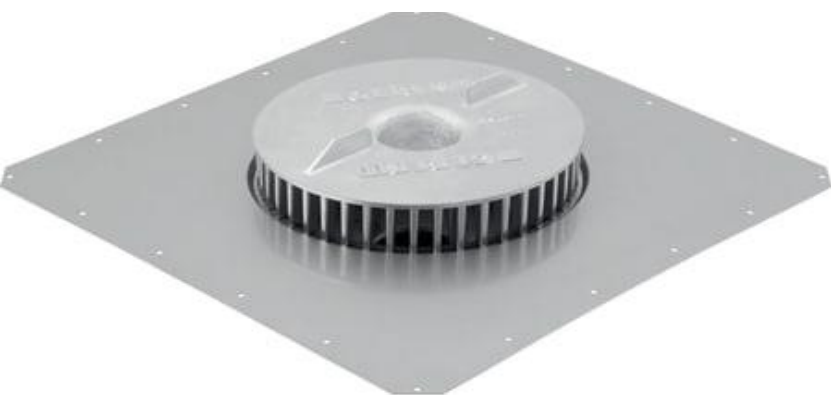


PROYECTO SANITARIAS





DESAGÜES POR VACÍO INDUCIDO (GEBERIT)

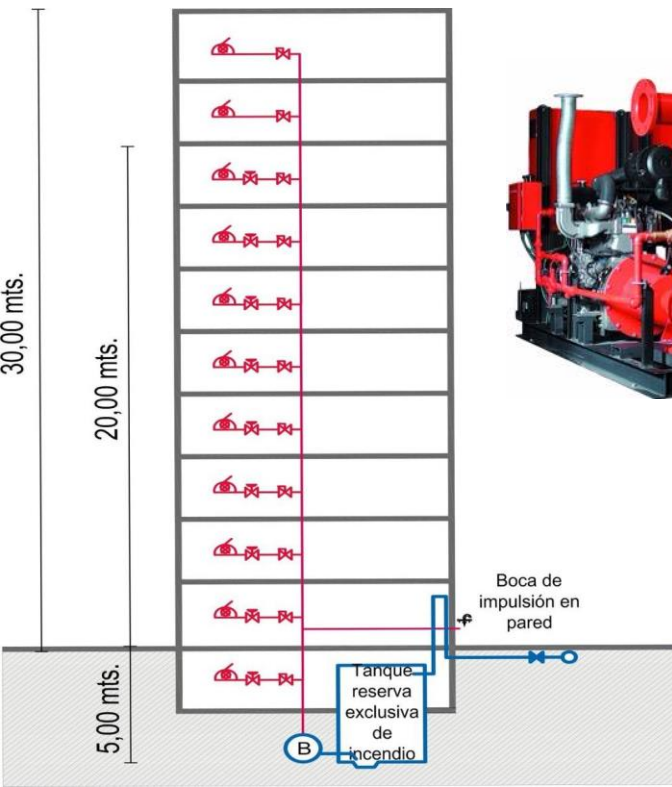
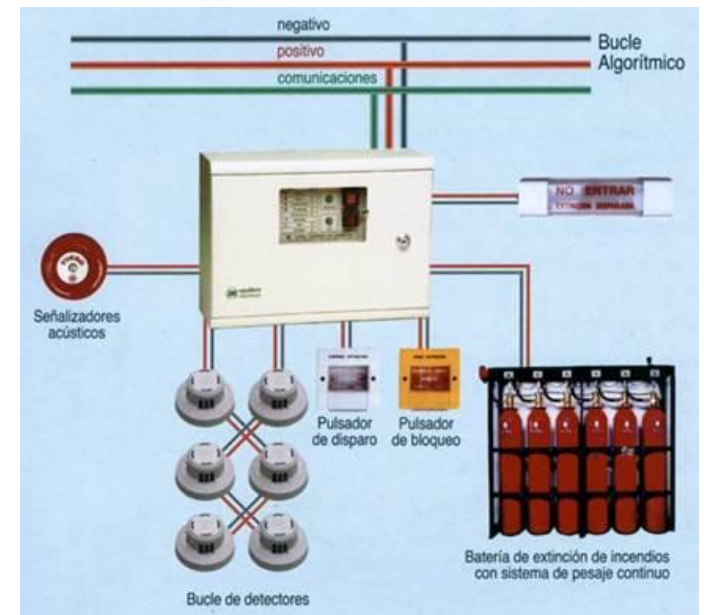


VOLÚMENES DE RESERVA

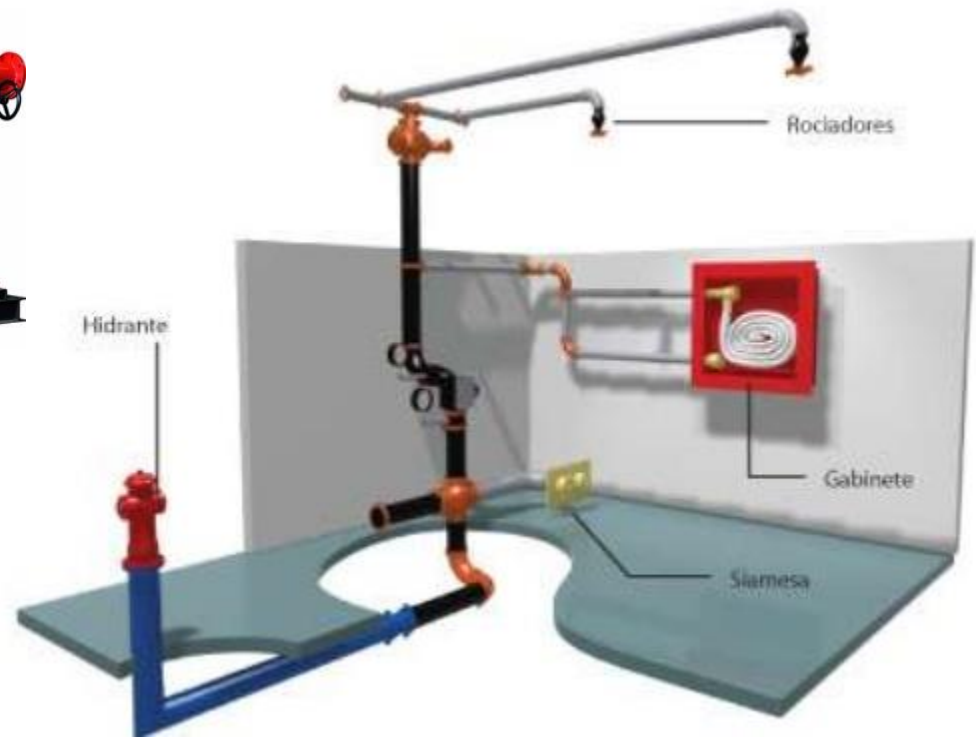


PROTECCIÓN CONTRA INCENDIOS

- SISTEMAS DE DETECCIÓN sensores, alarmas
- SISTEMAS DE EXTINCIÓN rociadores, hidrantes, matafuegos, reservas, bombas, etc
- SISTEMAS DE EVACUACIÓN dimensiones mínimas y máximas, usos y tipologías, recorridos, iluminación de emergencia y señalectica
- RESISTENCIA AL FUEGO elección de materiales RF



RED CONTRA INCENDIOS





PULSADOR
DE ALARMA



BOCA DE
INCENDIO

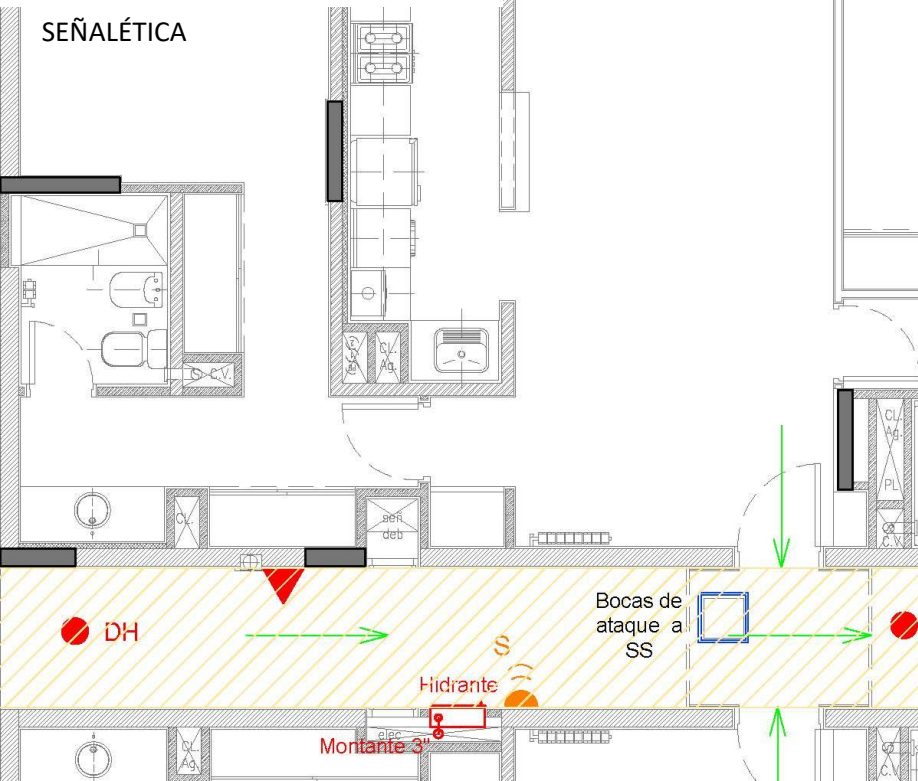


PELIGRO
RIESGO
ELECTRICO

SALIDA

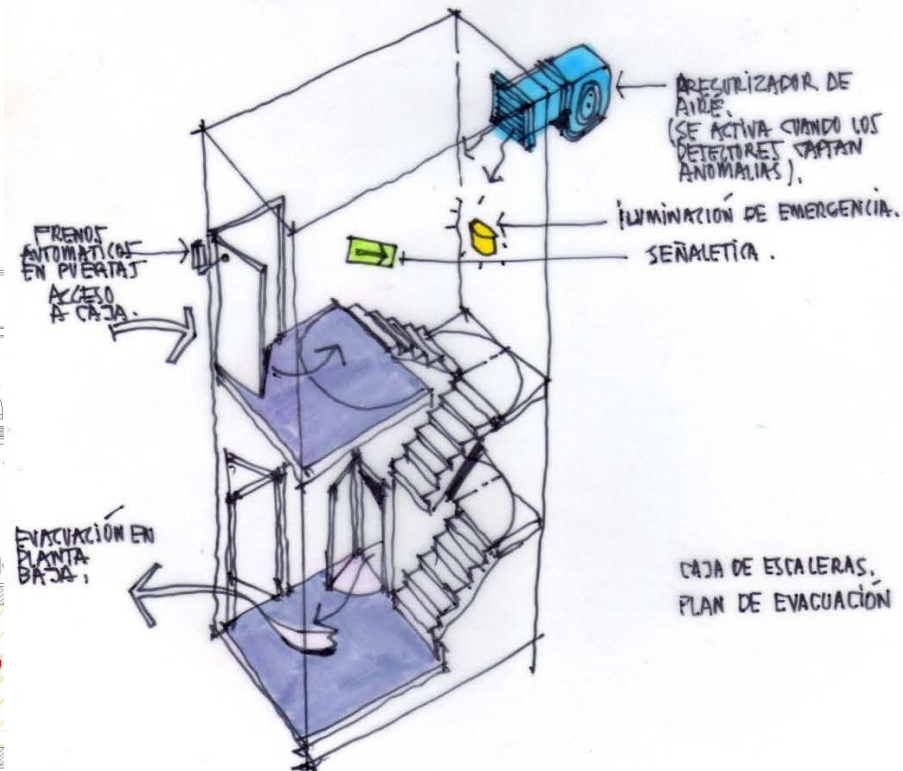
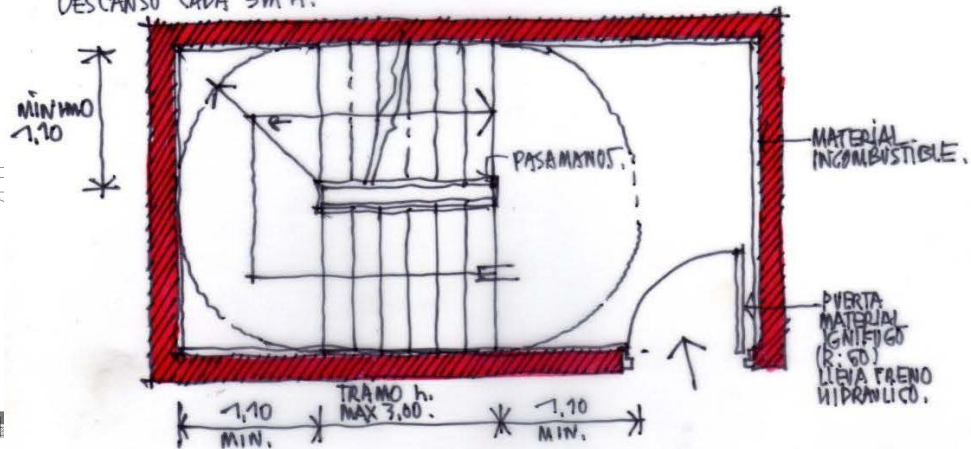


SEÑALÉTICA



ESCALERAS / CAJAS,

EDIFICIOS RESIDENCIALES LARGO DE CORREDORES: 30 m.
EDIFICIOS REUNION/OFICINAS / INDUSTRIALES 40 m.
ANCHO DE ESCALERA: 2 cm X N° PERSONA A EVACUAR. (MIN. 7.10 m).
DESCANSO CADA 3 m h.

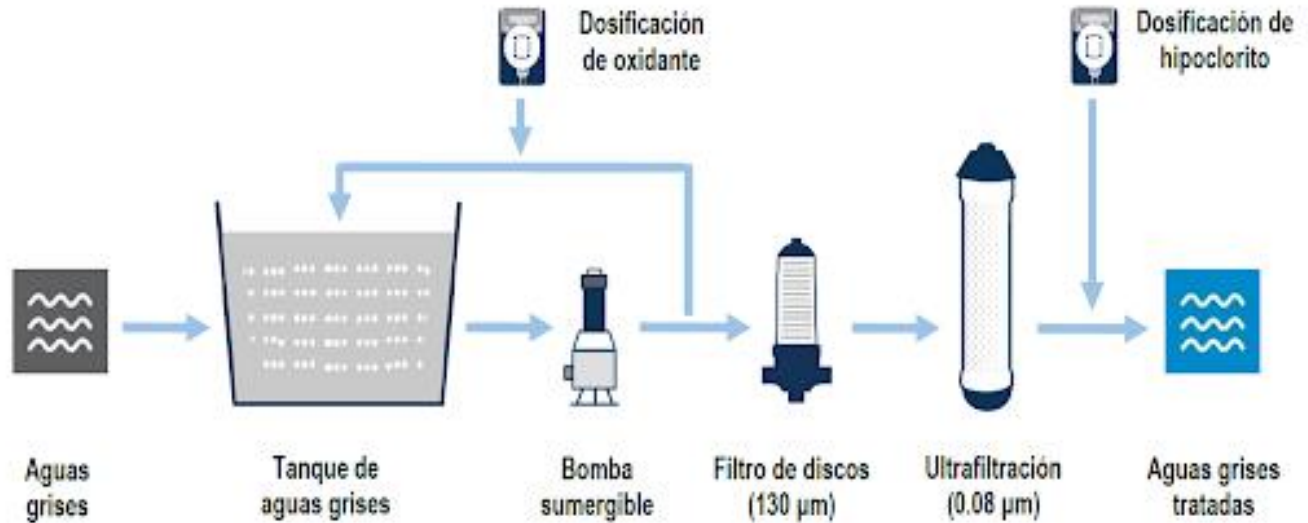


RAMPAS. PENDIENTE MÁXIMA 72%.



GRIFERÍAS DE USO Y CORTE SENSORIZADO

LÍNEA DE TRATAMIENTO



REUTILIZACIÓN AGUAS GRISES

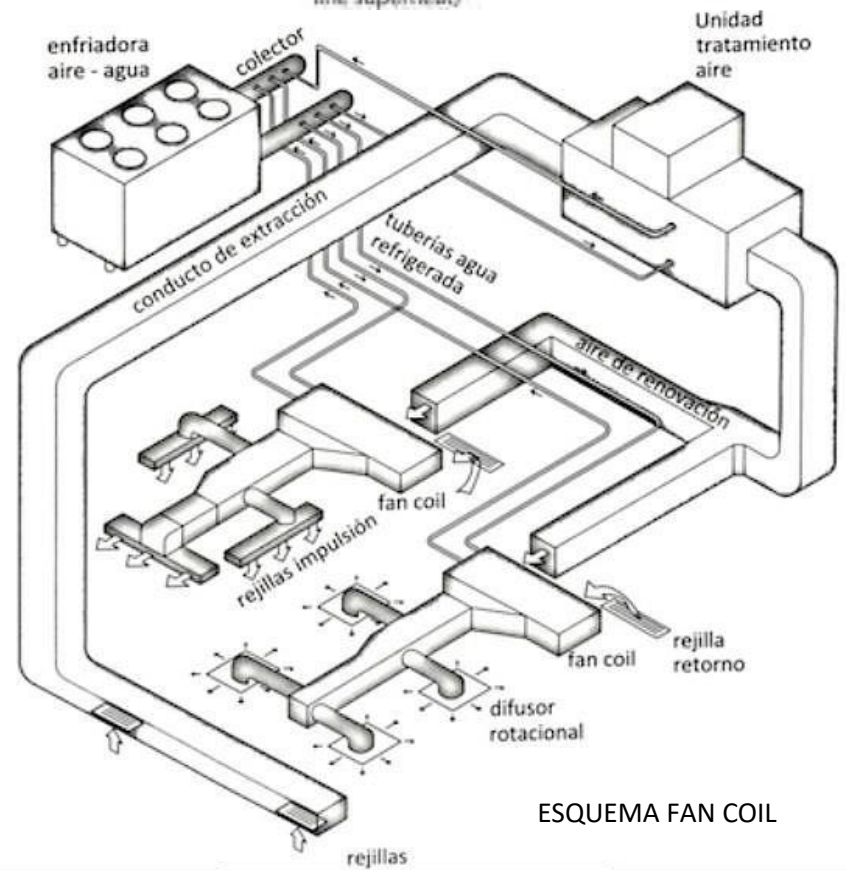
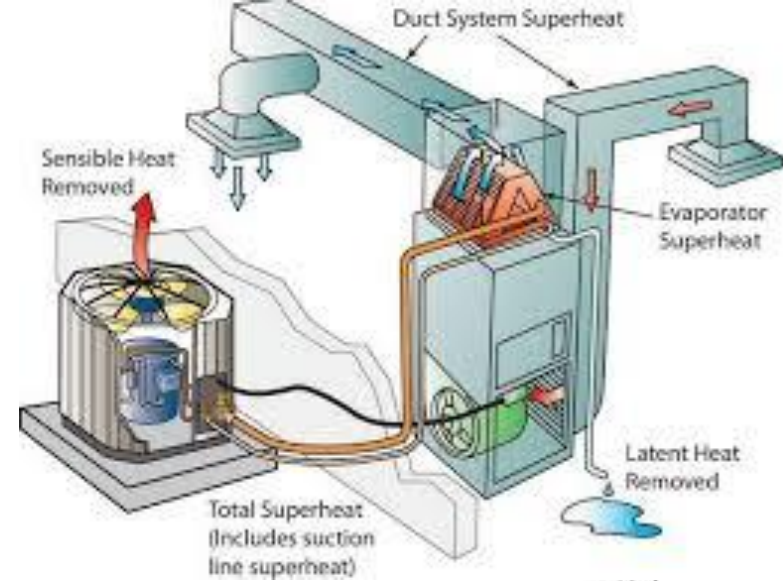
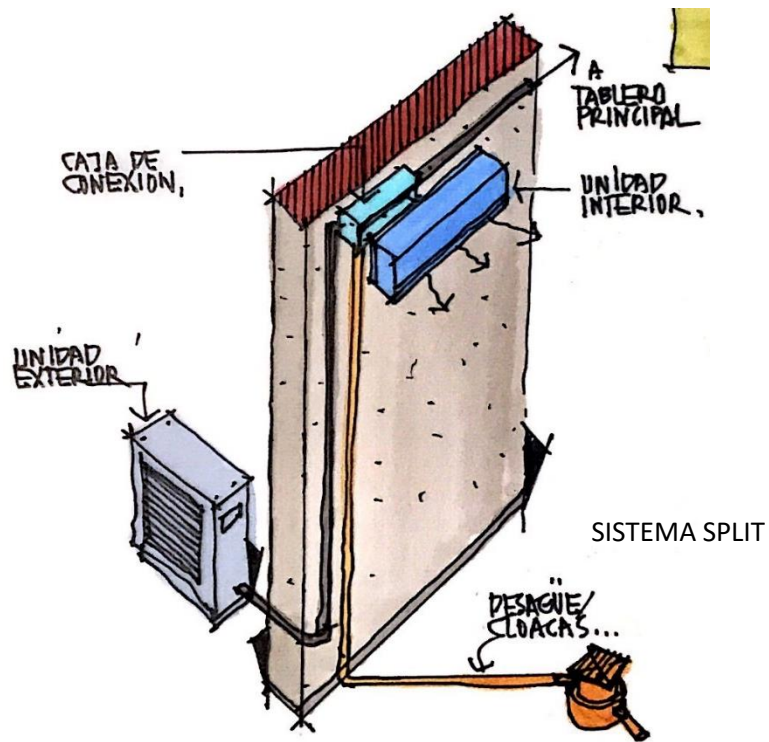
TRANSFORMACIÓN AGUAS NEGRAS



HIGROTÉRMICAS

- CONFORT (temperatura - humedad - ventilación)
- UTA – CONDUCTOS – DIFUSIÓN





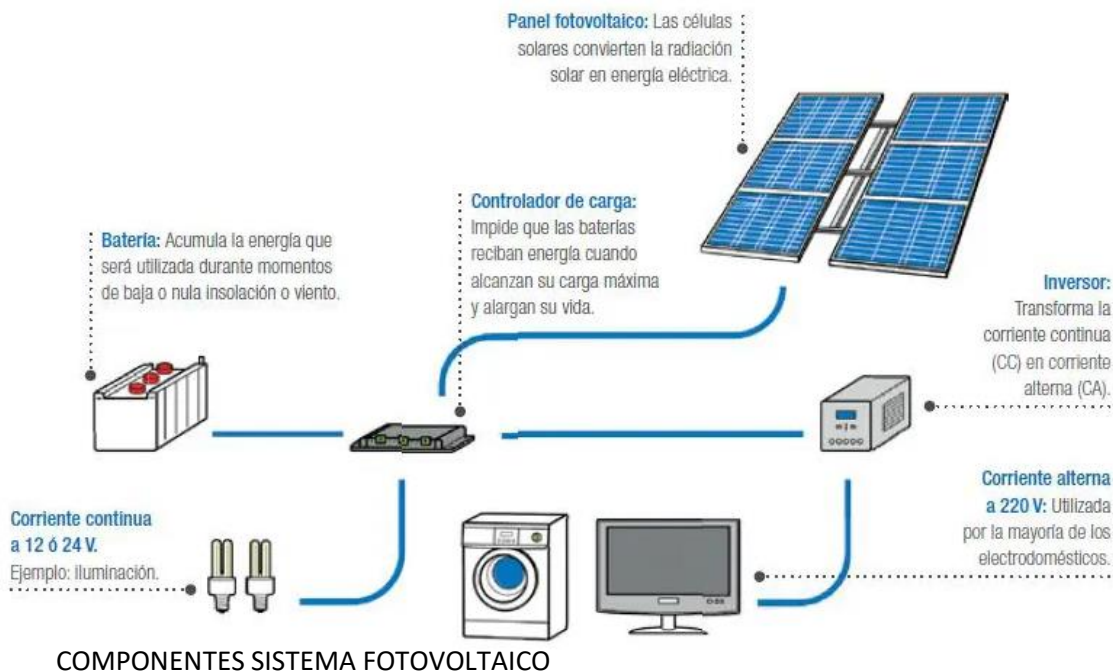
ESQUEMA FAN COIL

ESQUEMA MULTISPLIT VRV



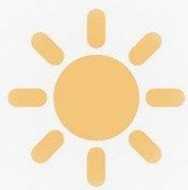
ELECTRICIDAD Y BAJA SEÑAL

- GENERACIÓN DE ENERGÍA (paneles fotovoltaicos, aspas eólicas)
- ACOMETIDAS AÉREAS Y SUBTERRÁNEAS
- DISPOSITIVOS INALÁMBRICOS
- ACCESIBLES (mantenimiento y recambio)



GENERADORES EÓLICOS





CINTAS FOTOVOLTAICAS



PANELES CUBIERTA AUTOPROTEGIDA



SUPERFICIE DE CAPTACIÓN



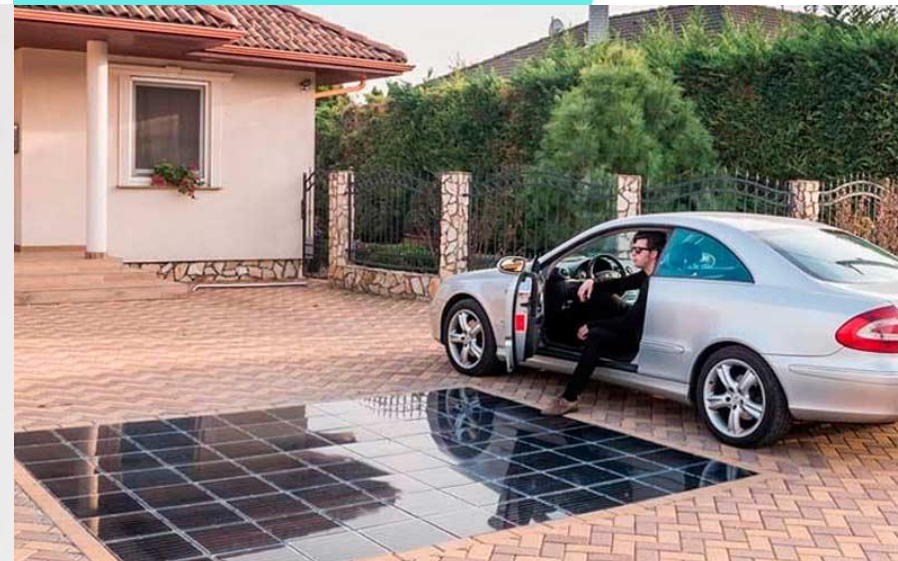


ELECTRICIDAD POR BIOMASA (FOTOSÍNTESIS ALGAS)

BALDOSA FOTOVOLTAICA



KIT SOLAR
AUTOINSTALABLE
 (INCLUYE MANUAL DE INSTALACIÓN)
1000W

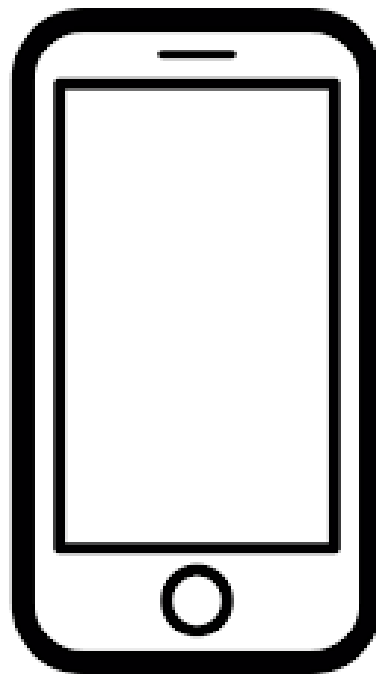




MIES VAN DER ROHE / MANSION HOUSE SQUARE / LONDRES/ 1969

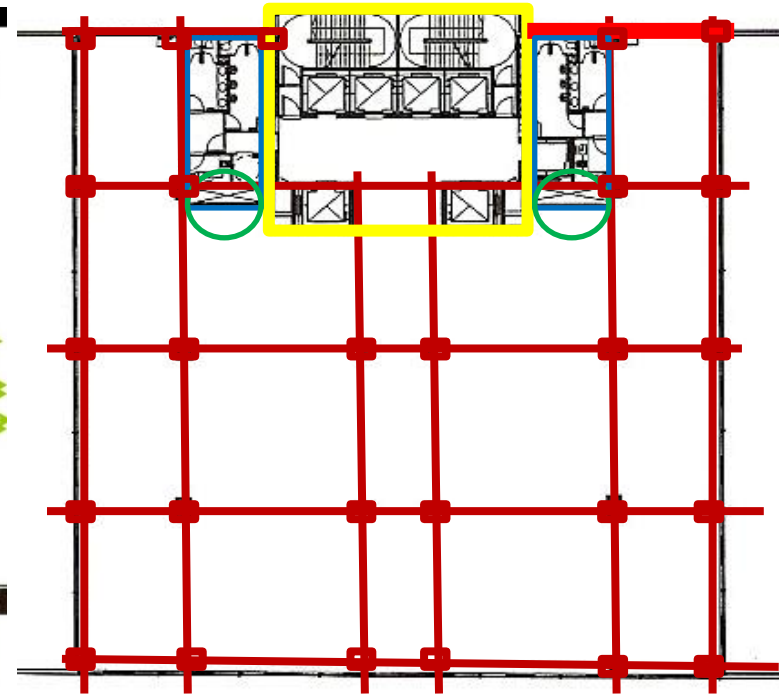
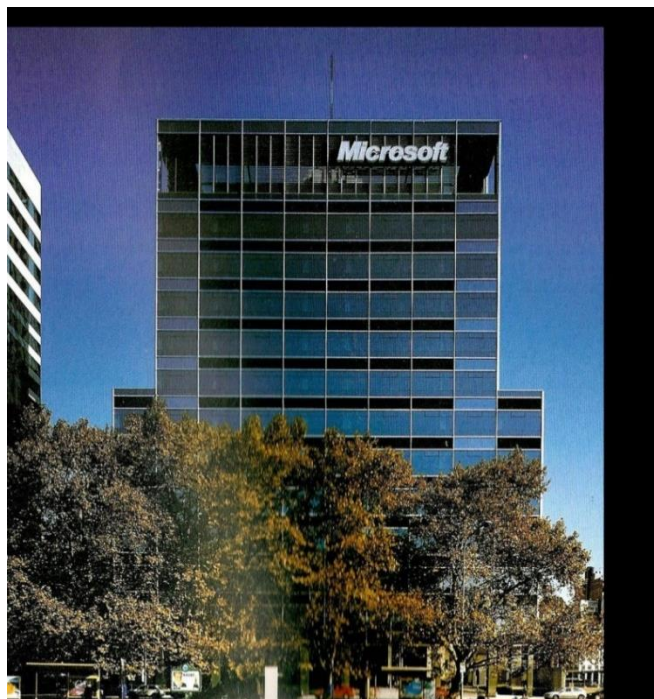


REDES Y DISPOSITIVOS SIN CABLES

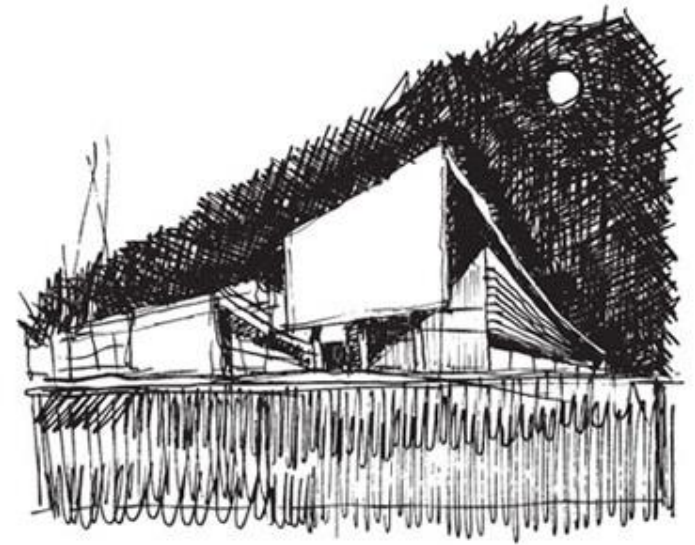
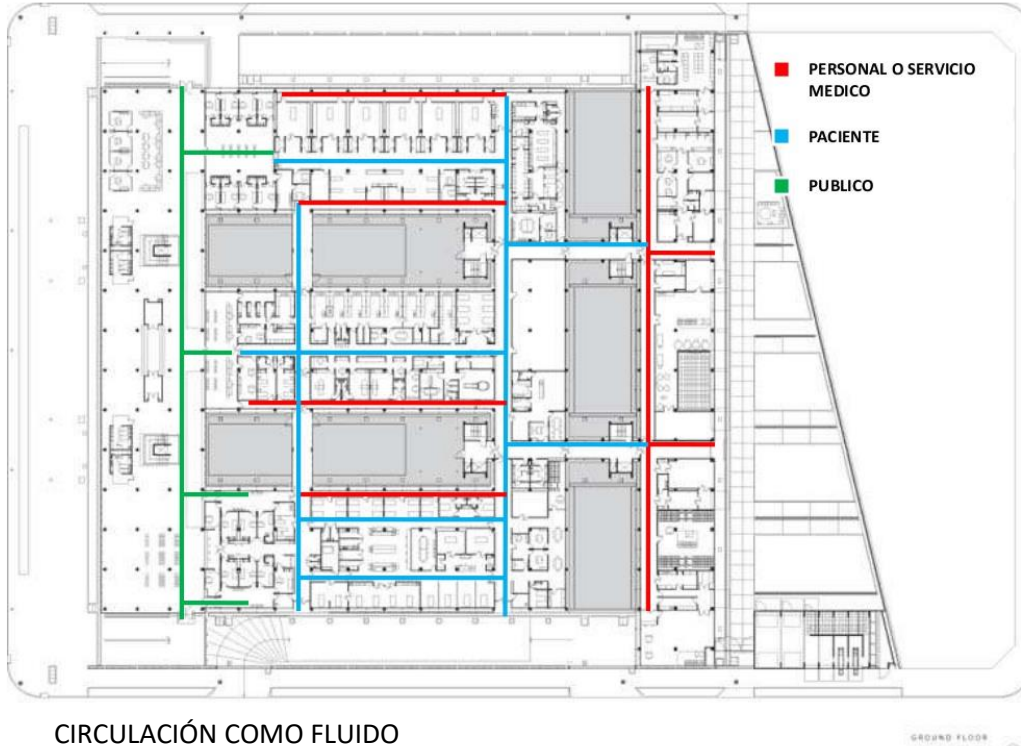


CAPTADORES DE SEÑALES



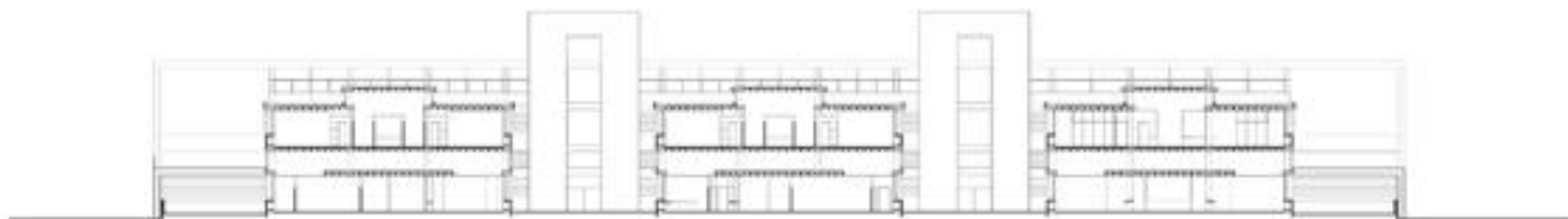
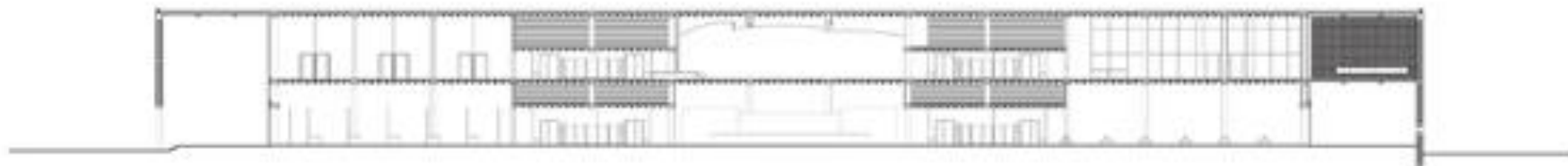


MARIO ROBERTO ÁLVAREZ / OFICINAS / BUENOS AIRES

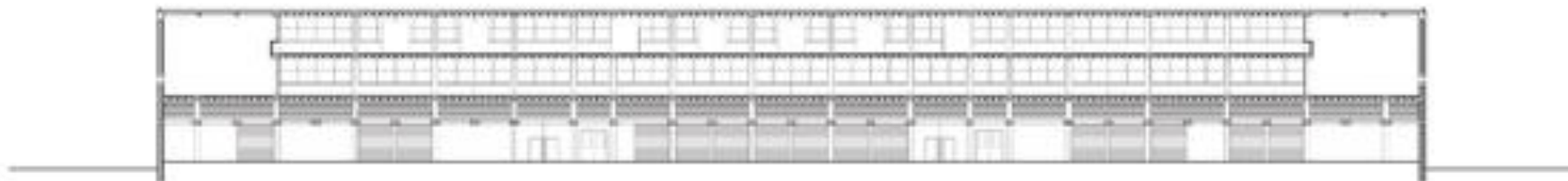


HOSPITAL HECA – MARIO COREA 2006





PLENOS TÉCNICOS



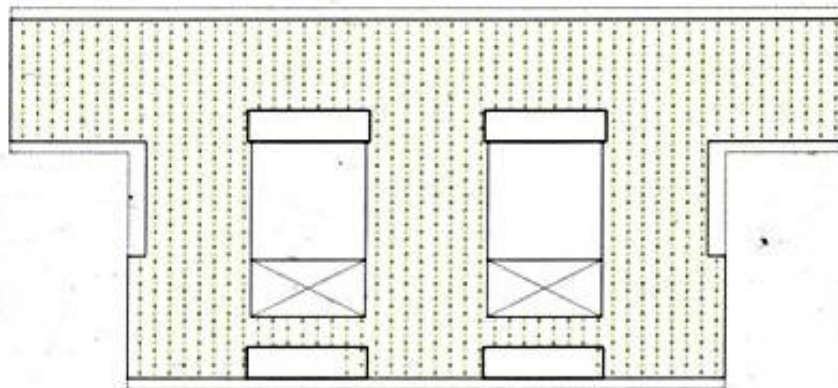


INSTALACIONES COMPLEJAS

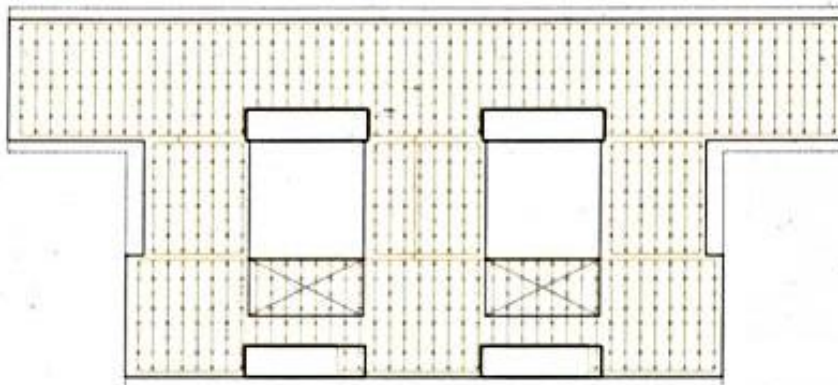




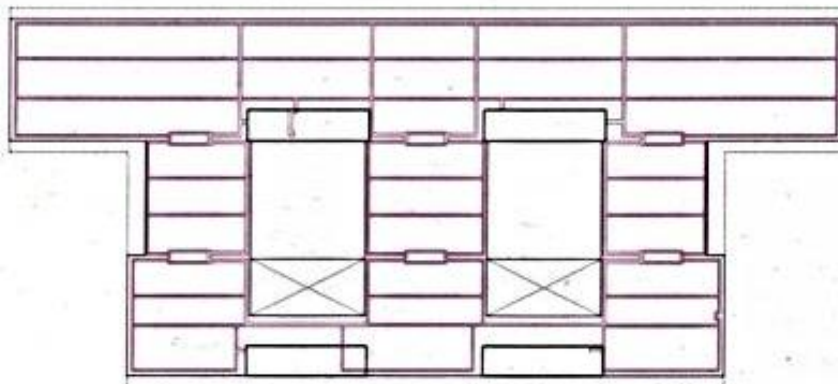
ALONSO+HERNÁNDEZ+PÉREZ+QUINTANA+VALDENEBRO/ SEDE EMPRESARIAL/ VIZCAYA/ ESPAÑA



Climatización, difusores de impulsión y retorno

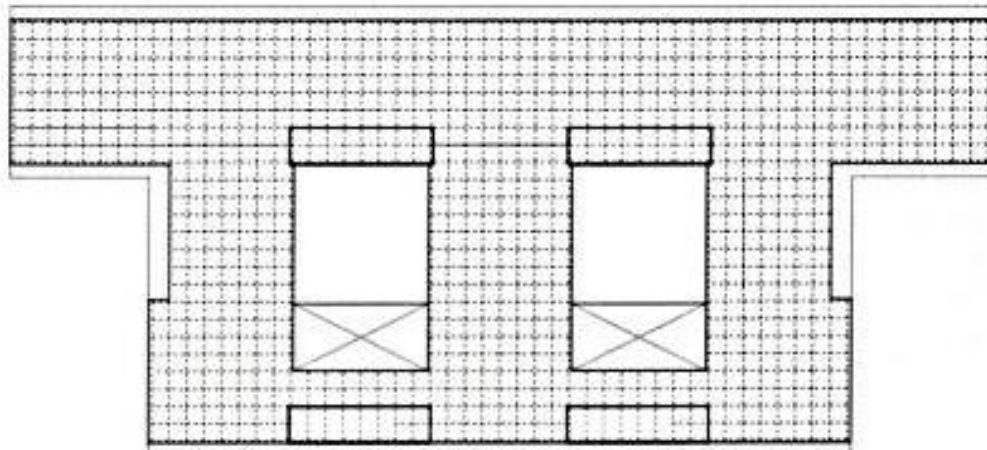


Red de rociadores y detectores

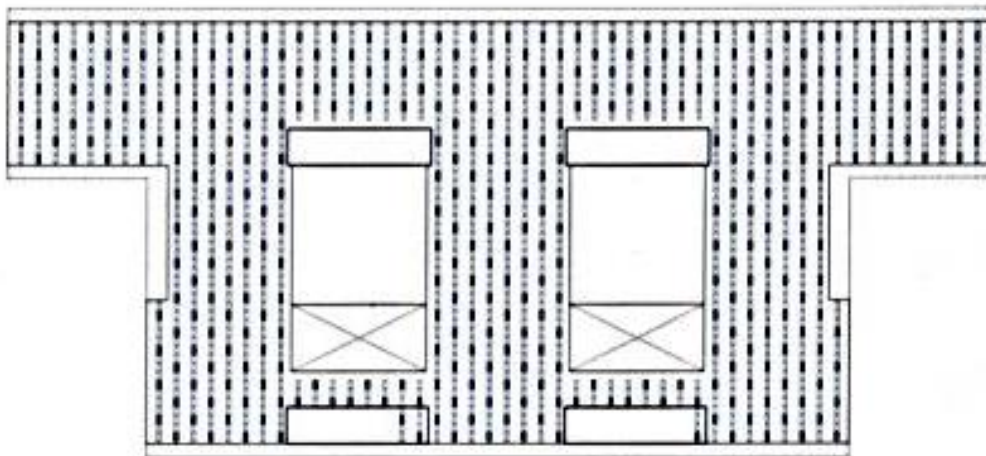


Bandejas de electricidad, voz y datos



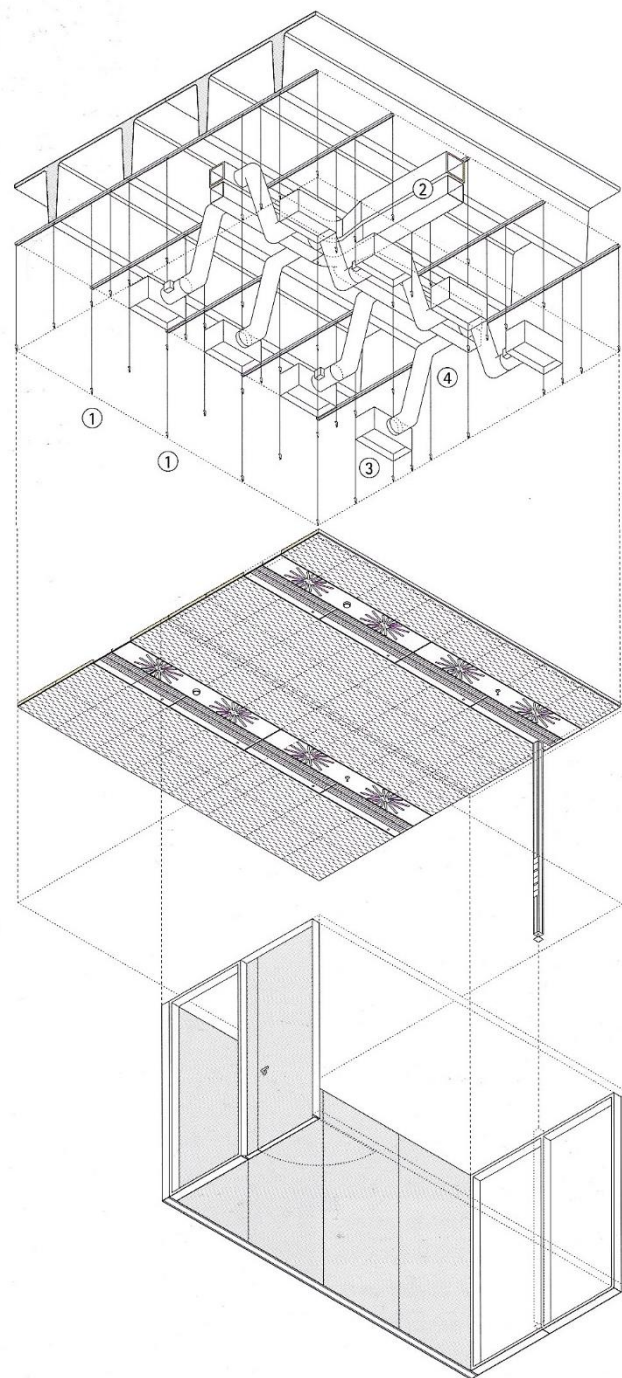
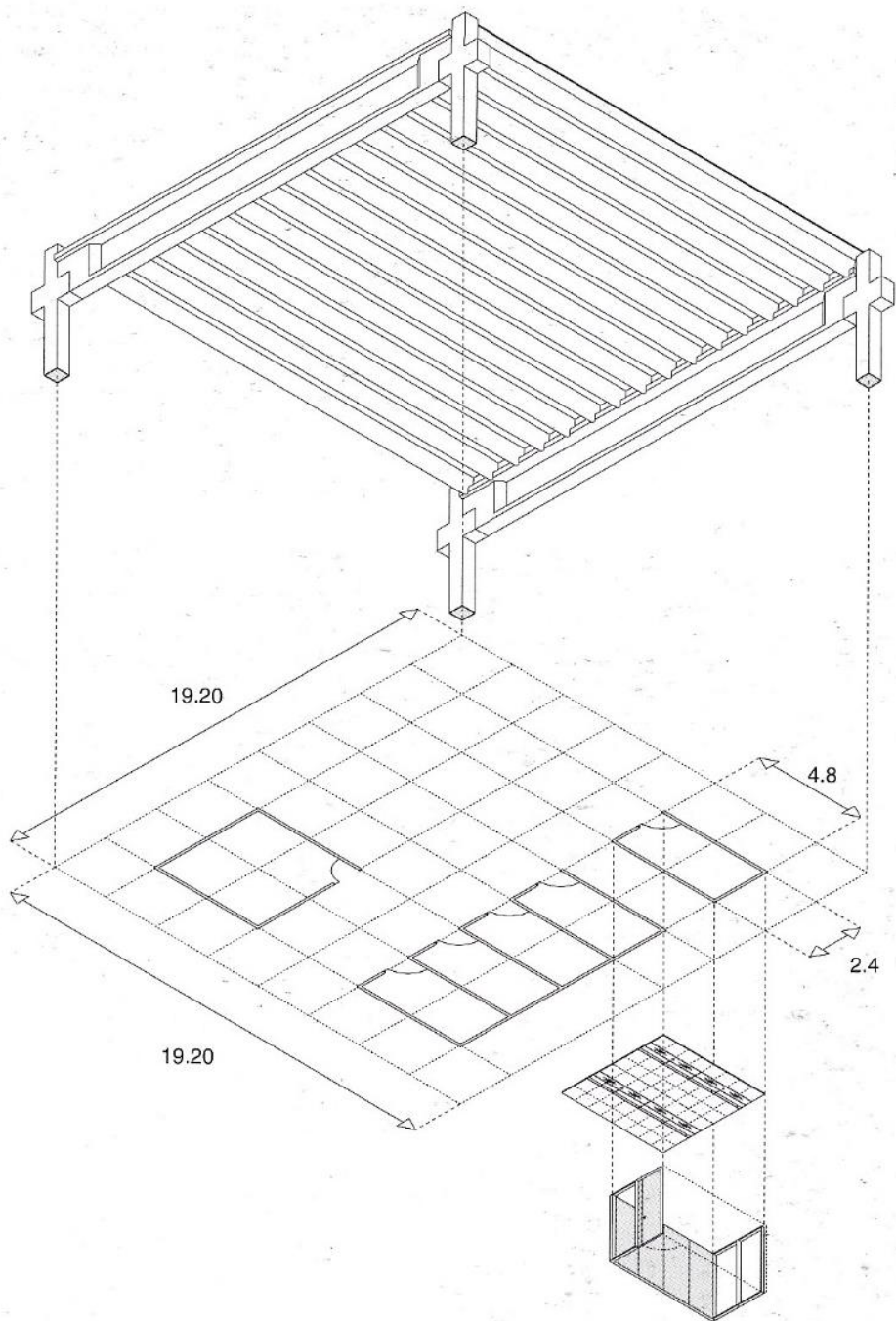


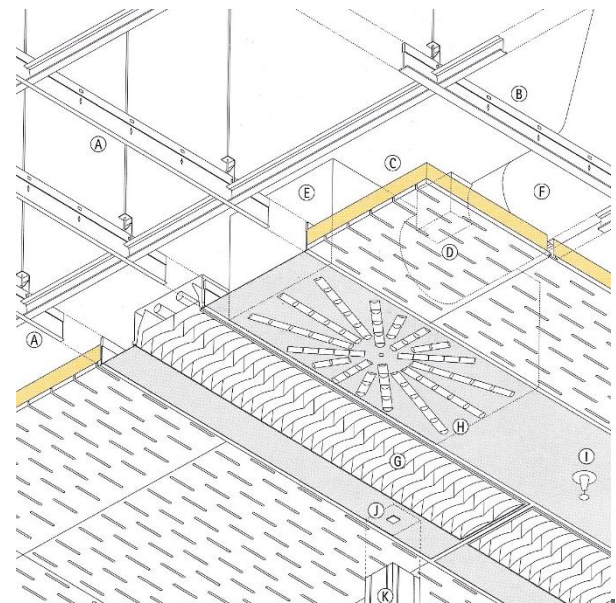
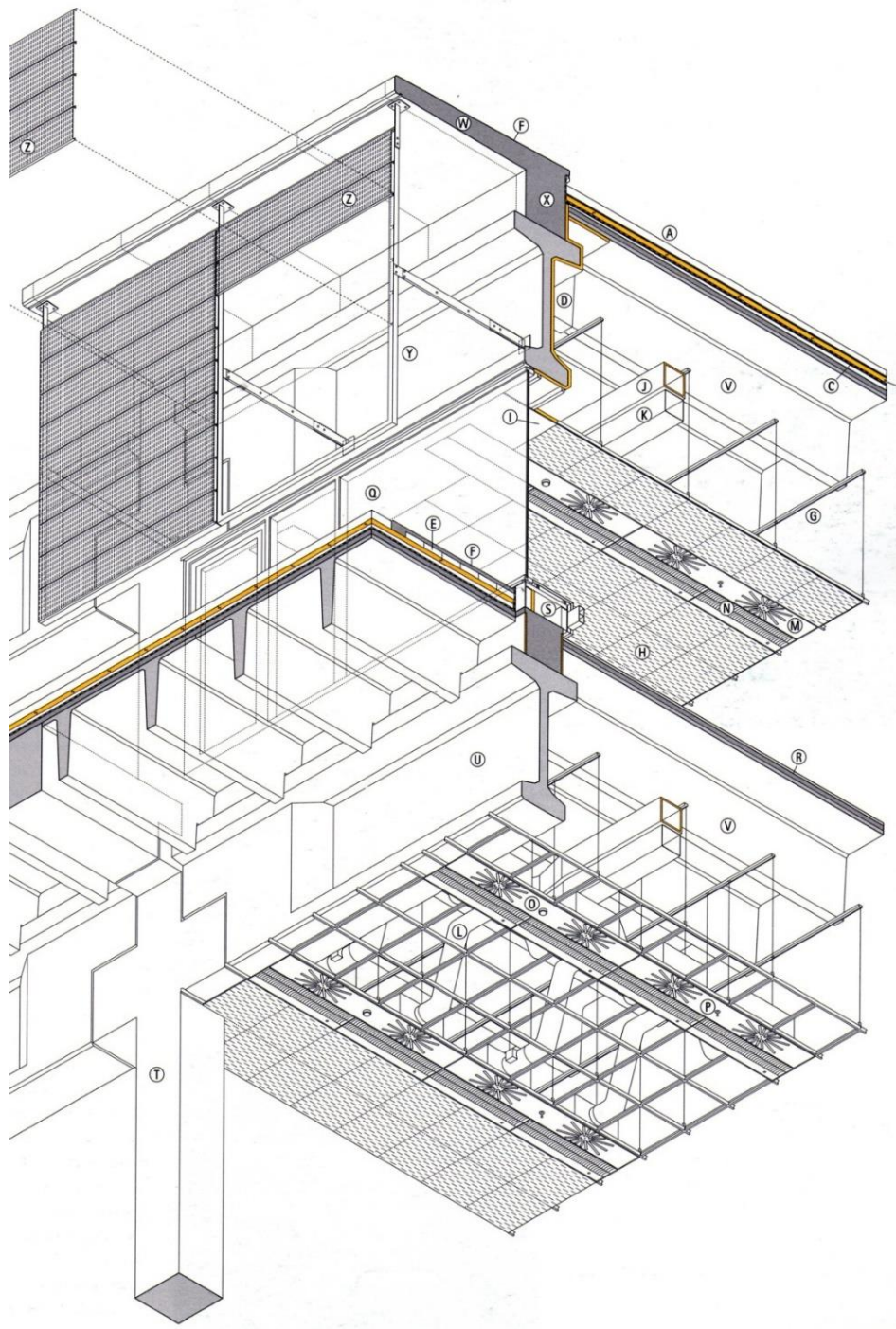
Reticula de falso techo

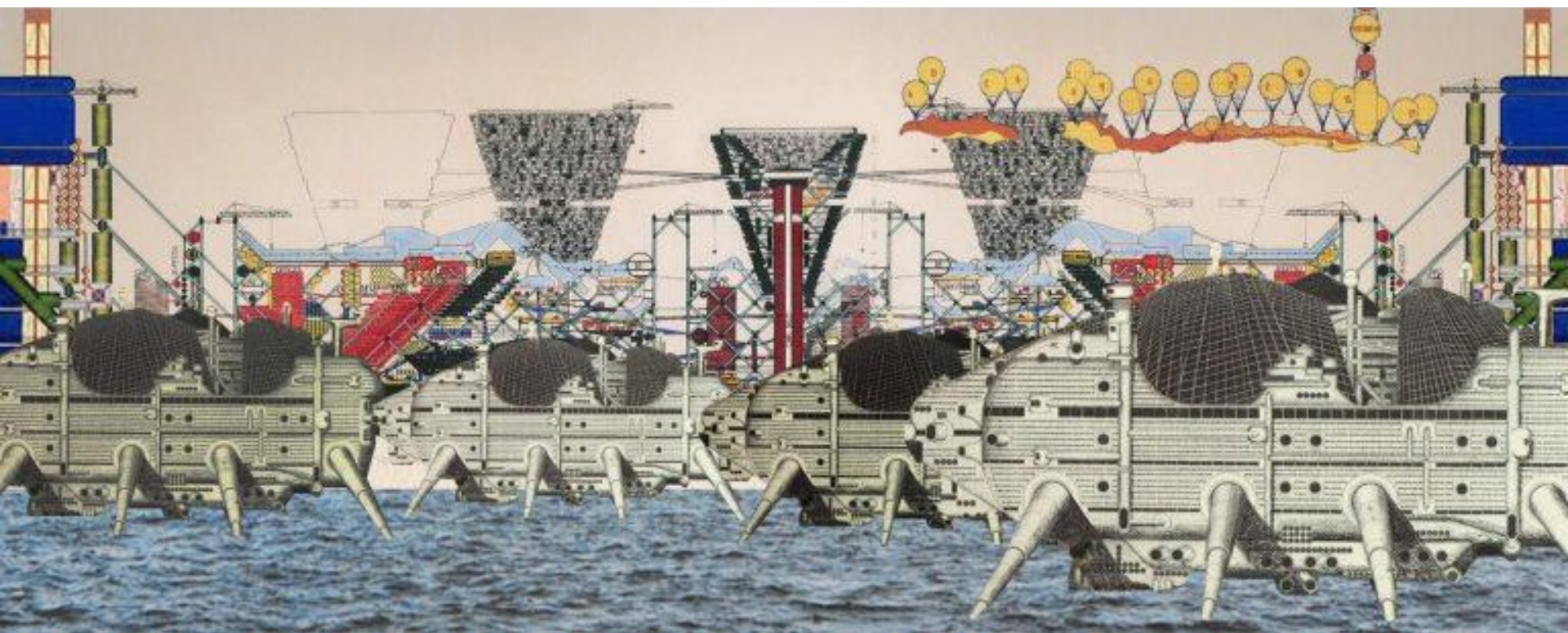


Líneas de iluminación











Architect: Philippe Samyn and Partners <https://samynandpartners.com/portfolio/antarctica/>

Client: Belgian Federal Government

Location: Antarctica

Project: INTERNATIONAL POLAR FOUNDATION – BELGIAN ANTARCTIC BASE : PRINCESS ELISABETH

Year: 2007-2008

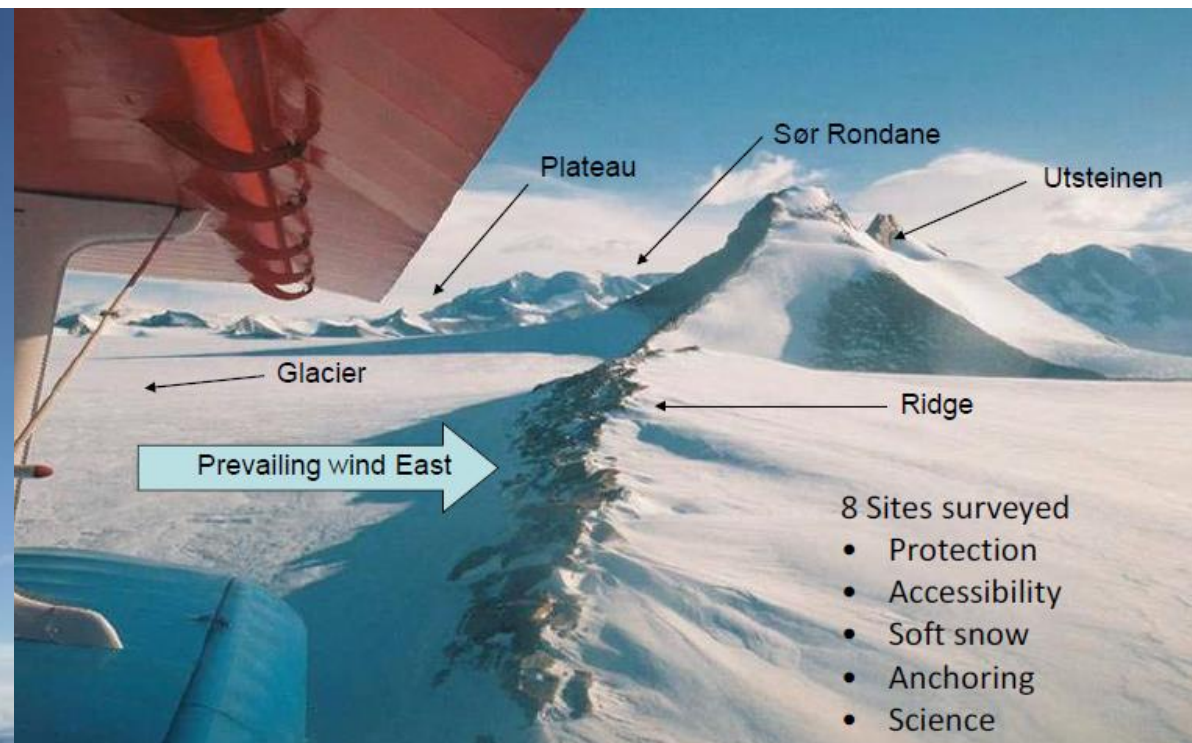
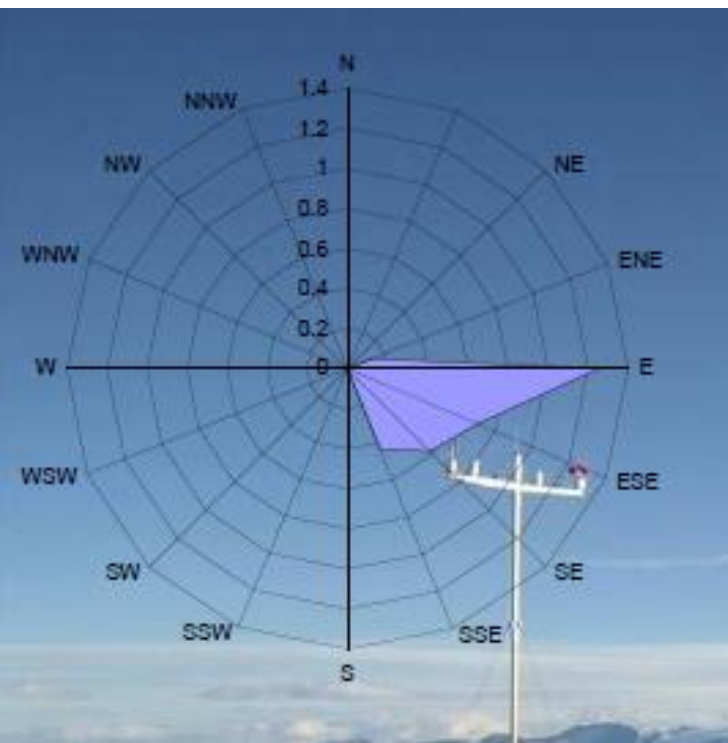
Superficie: 380m²

Vida Util Prevista 25 AÑOS

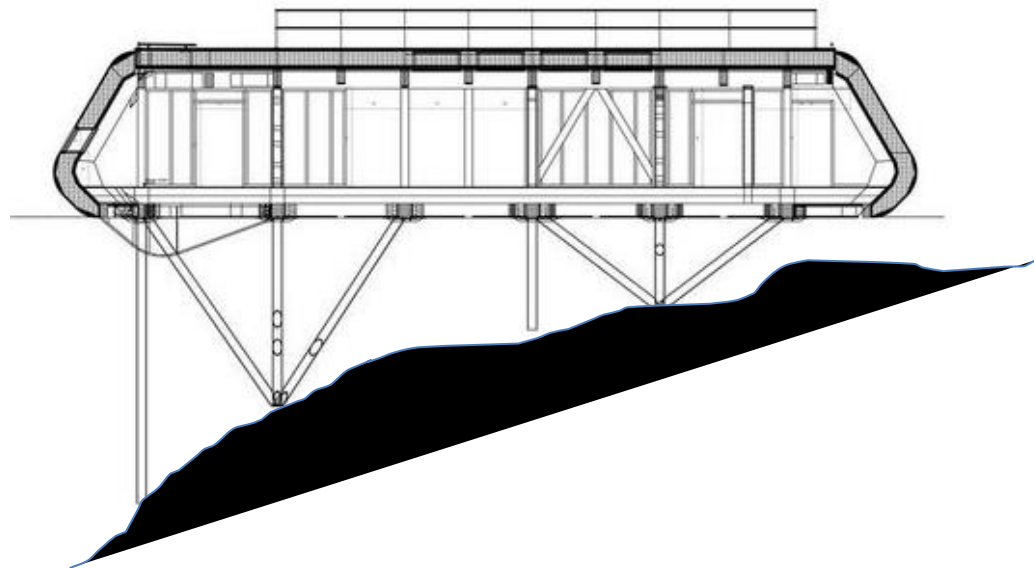
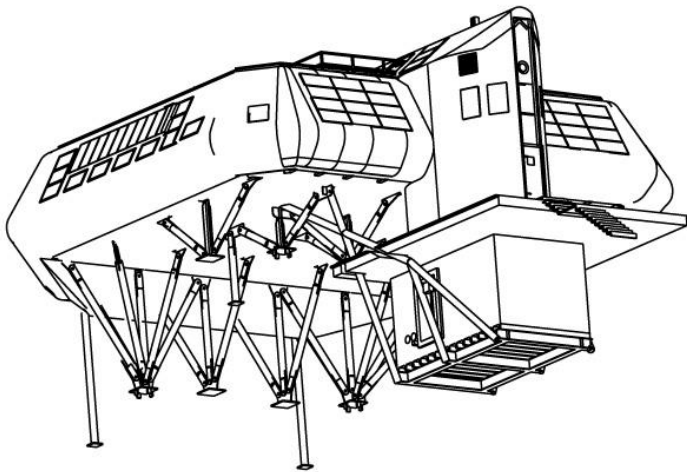
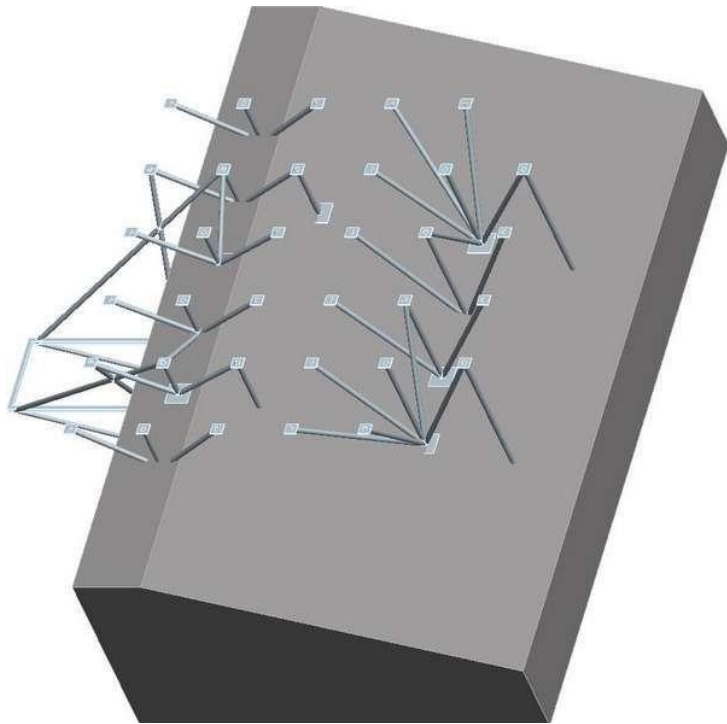
Funcionamiento / Uso: Temporada de Verano

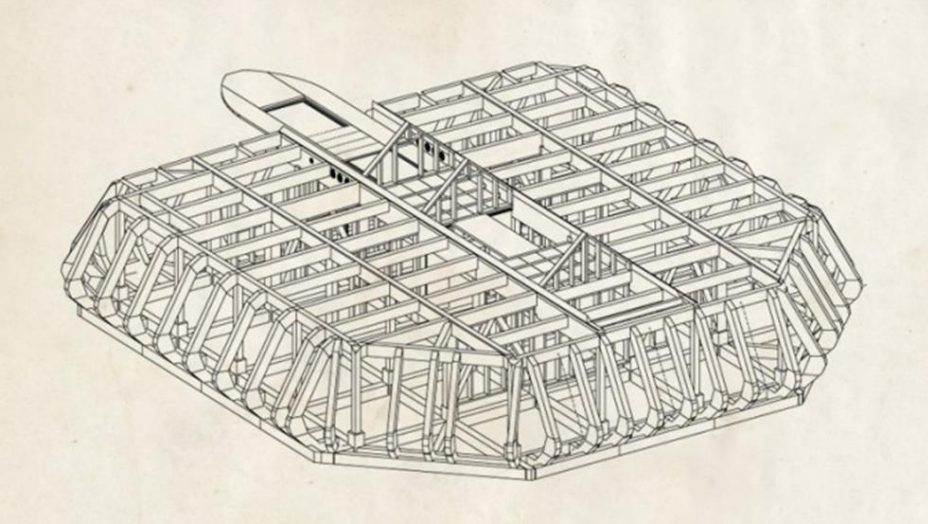


TRANSFORMANDO CONDICIONANTES EN OPORTUNIDADES



SOBRE ELEVADA





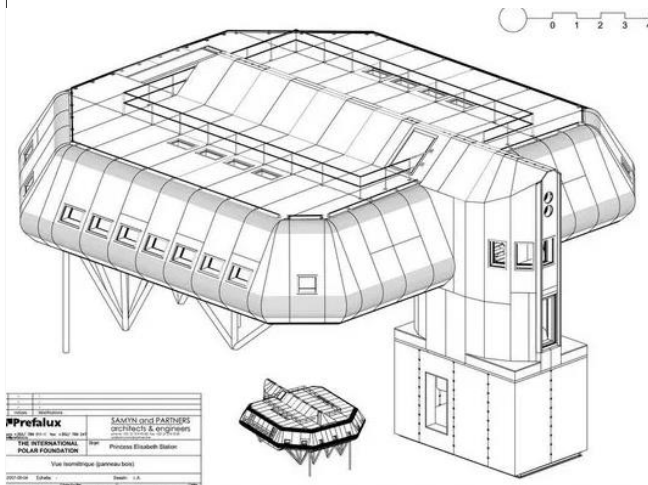
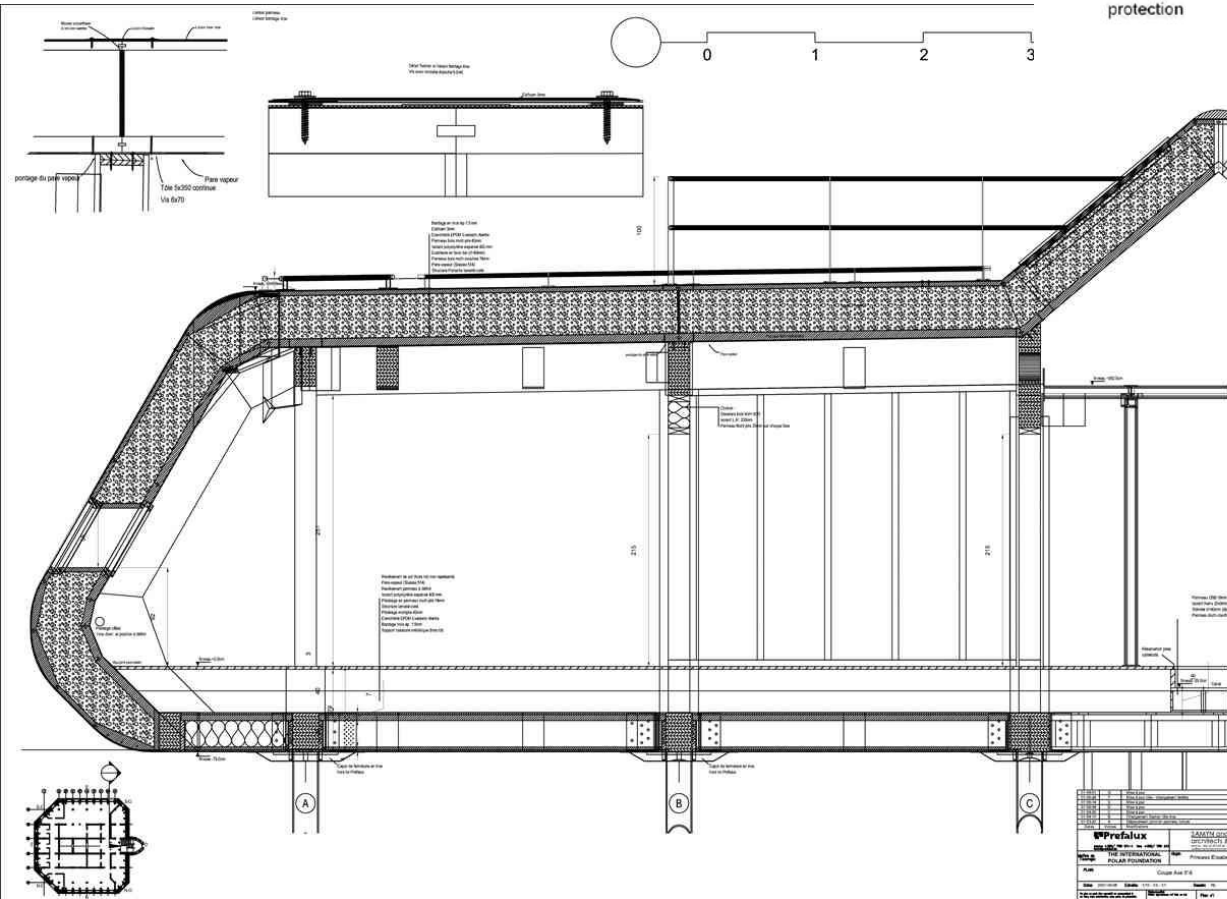
Beech wood panels

High density extruded polystyrene, flame retardant and doped with graphite

Stainless steel protection



EPDM membrane to prevent water infiltration

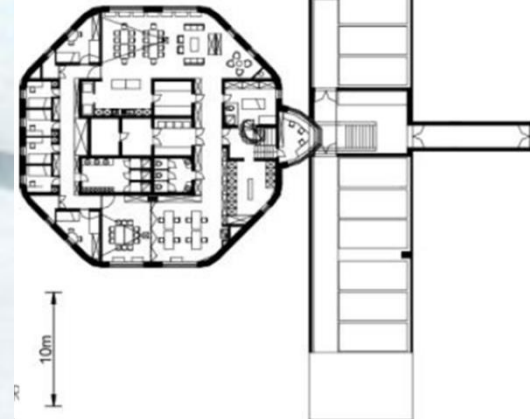
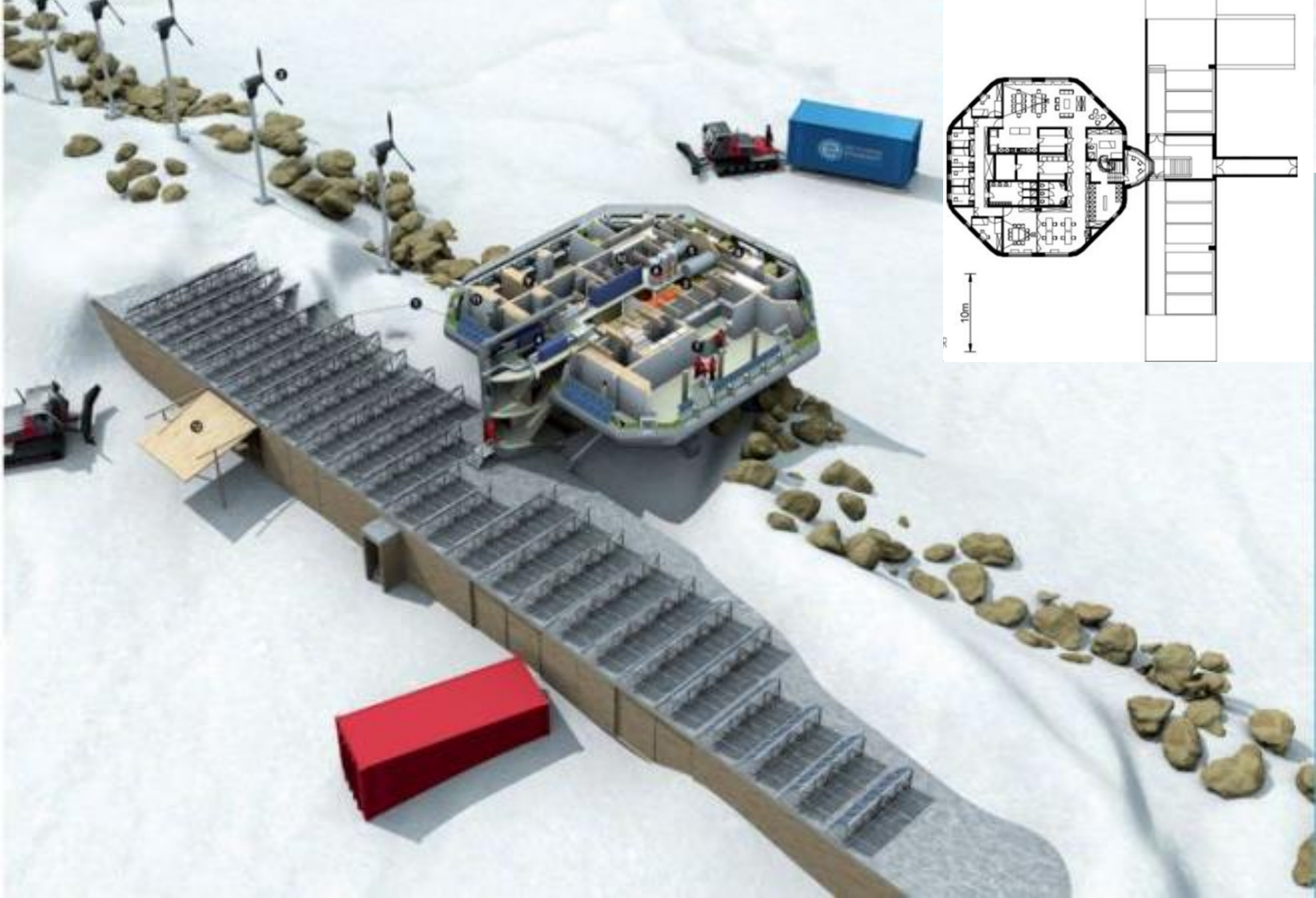


Prefalux
THE INTERNATIONAL
POLAR FOUNDATION
Via Isomirique (Garmisch-Partenkirchen)
82300 Seefeld, Austria

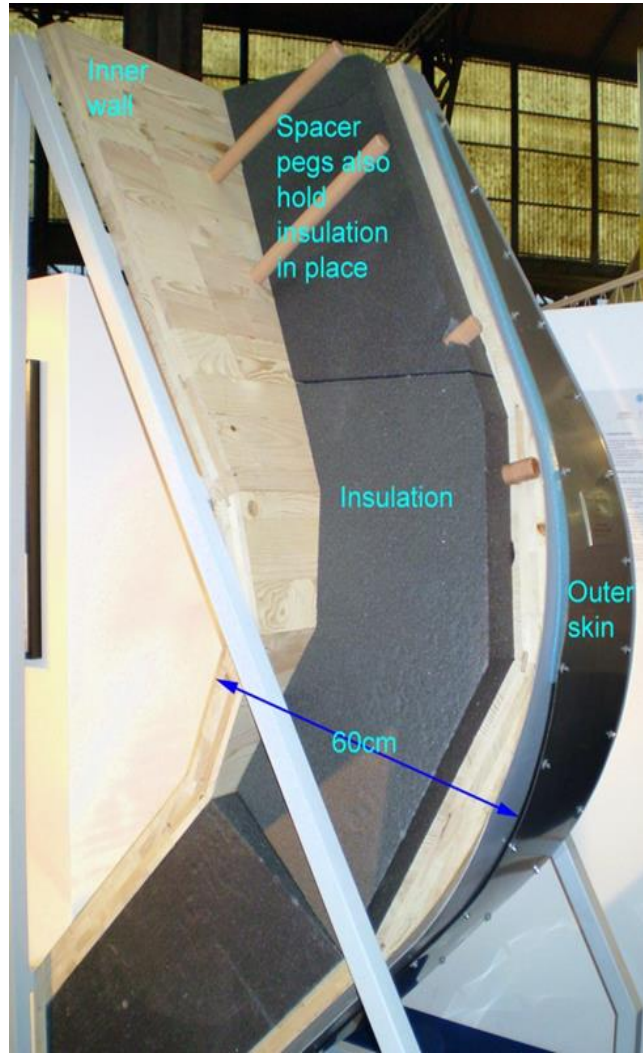
SAMIN and PARTNERS
architects & engineers
GmbH
Postfach 100
D-82300 Seefeld, Austria

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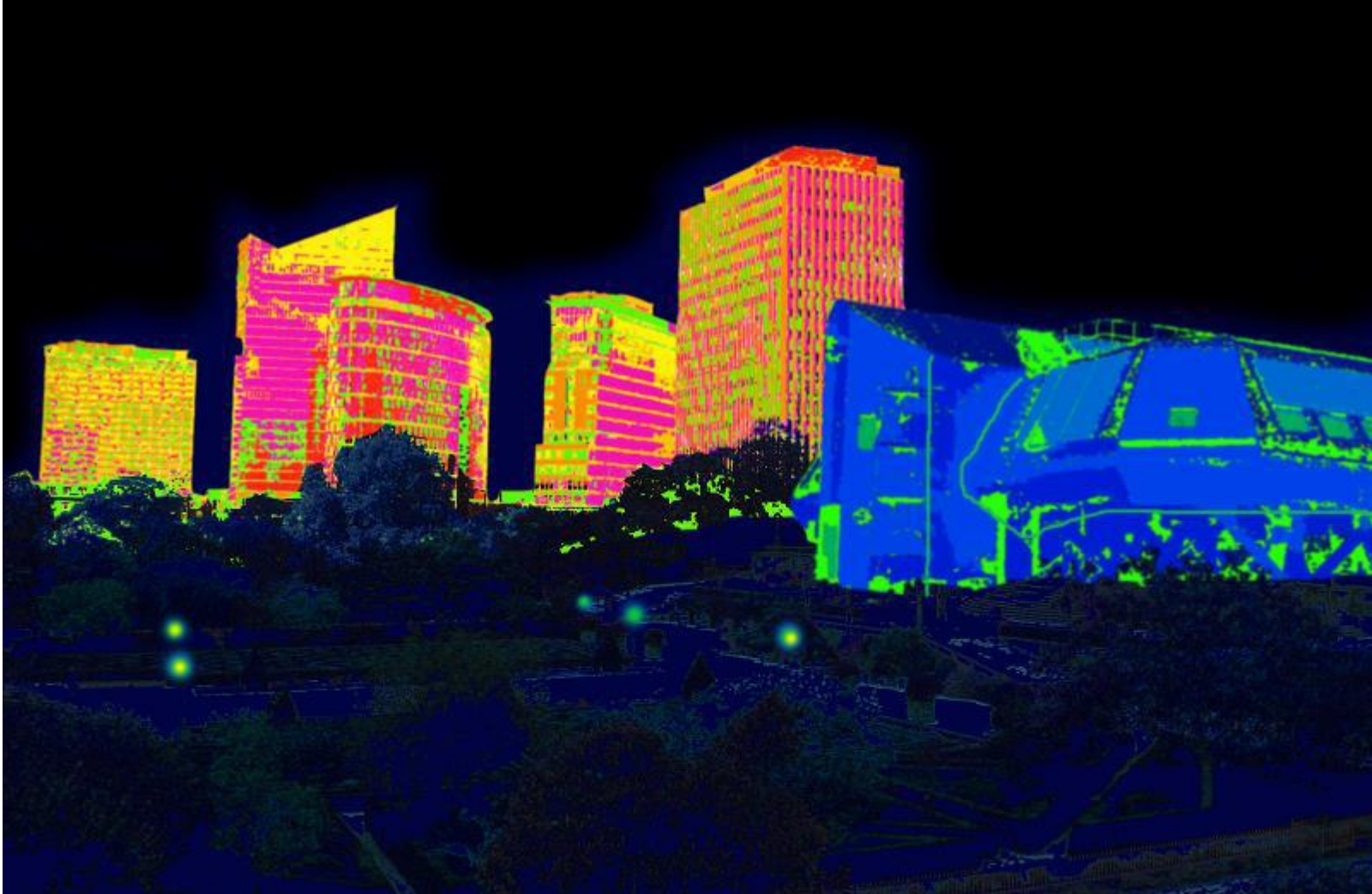


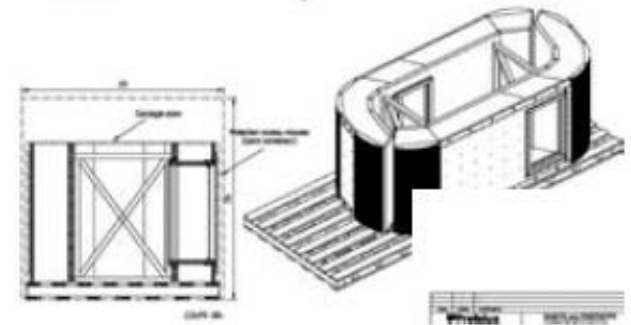
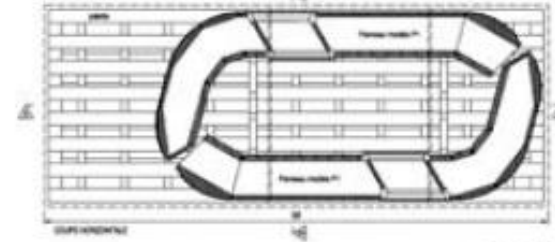
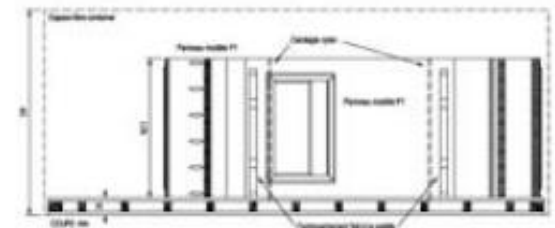
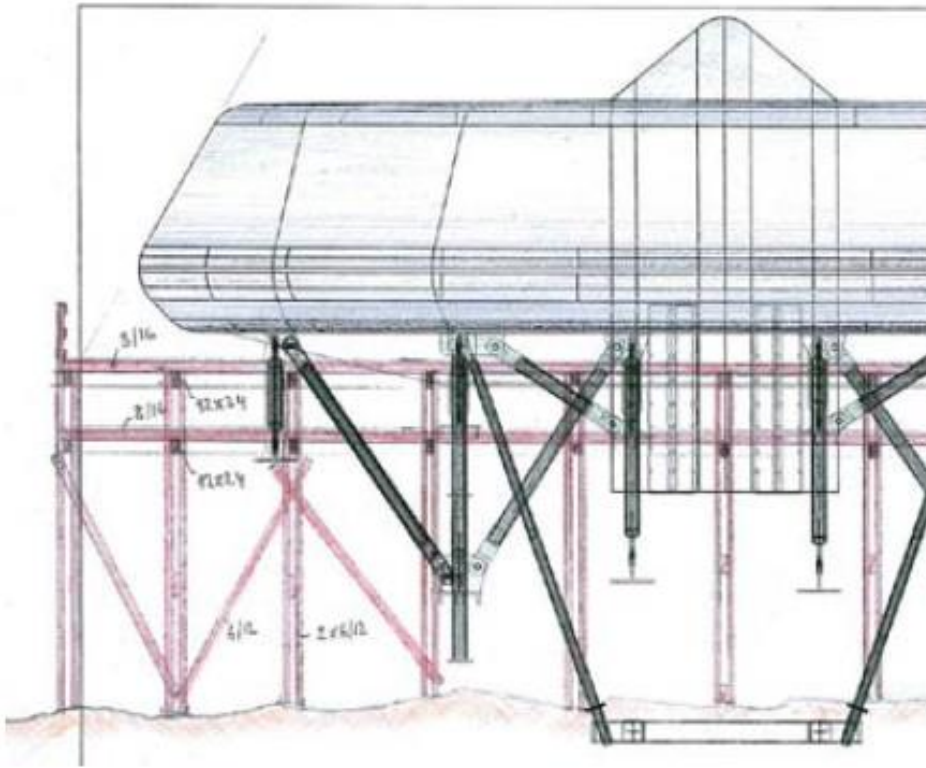
PIEL MULTICAPA DE 9 COMPONENTES
DOBLE AVENTANAMIENTO DVH



Doble aventanamiento DVH con film filtro UV y ambos están separados entre sí por una cavidad llena de aire de 400 mm de ancho. El panel expuesto al aire exterior está hecho de vidrio blindado. La presión entre ambas ventanas de doble acristalamiento se puede regular mediante una válvula de presión de aire.

AISLACIÓN





TRANSPORTE



CONSTRUCCION Y MONTAJE

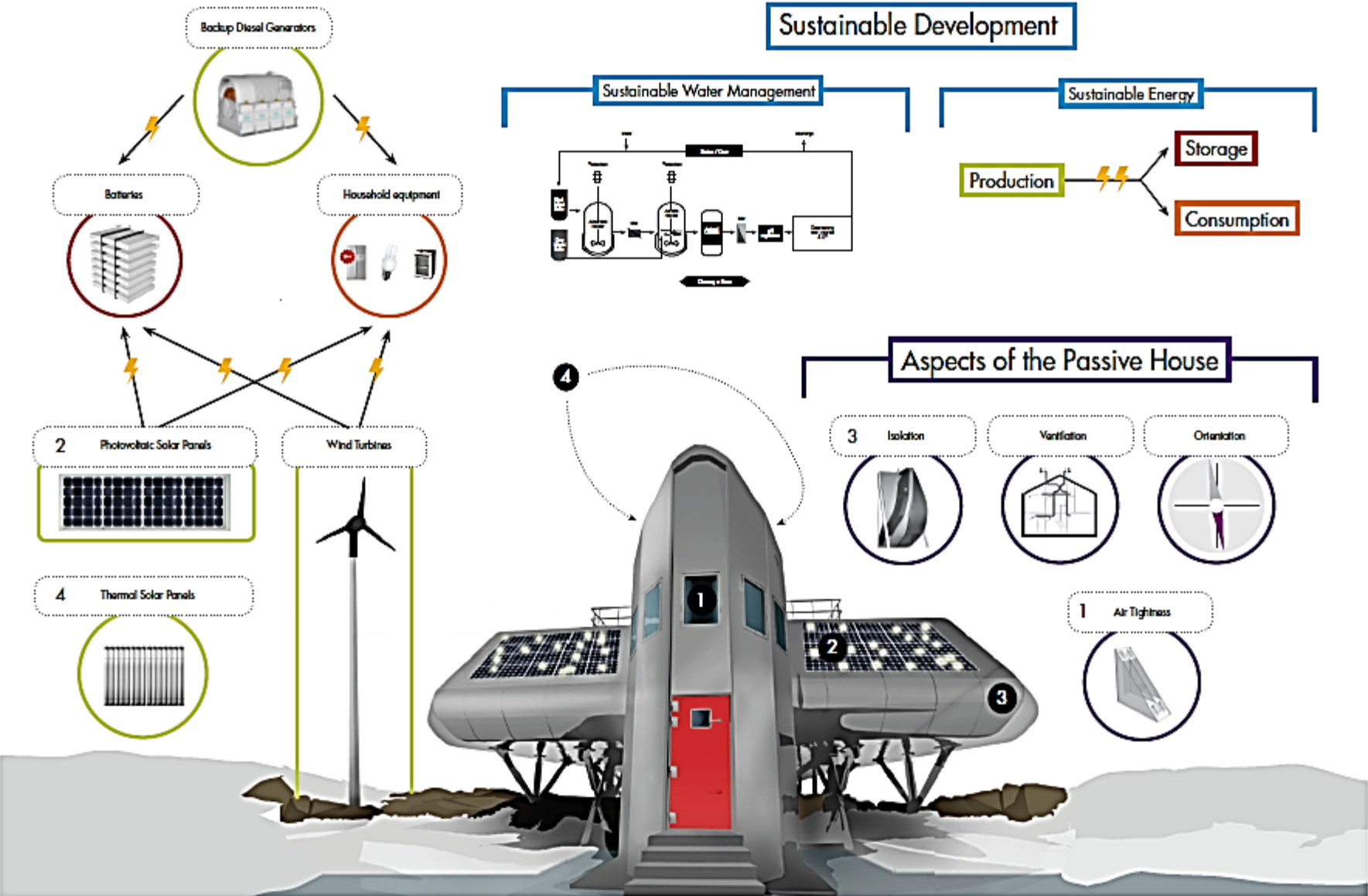


<https://vimeo.com/36286343>

ENERGÍAS RENOVABLES



HIBRIDO DE FUENTES DE ENERGIA RENOVABLES



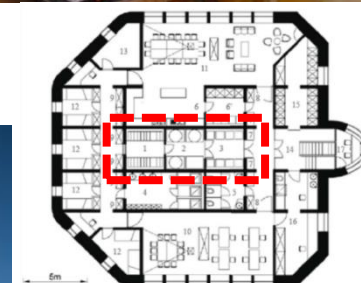
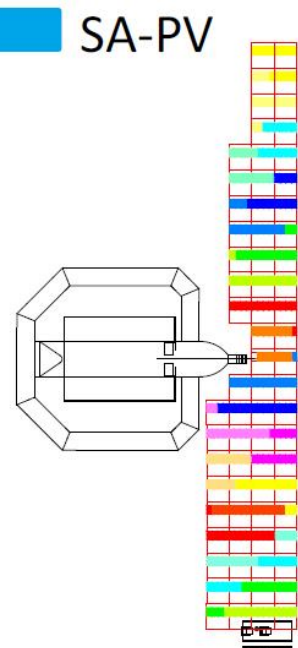
AERO GENERADORES



PANELES TERMO SOLARES (AGUA)



PANELES SOLARES FOTOVOLTAICOS



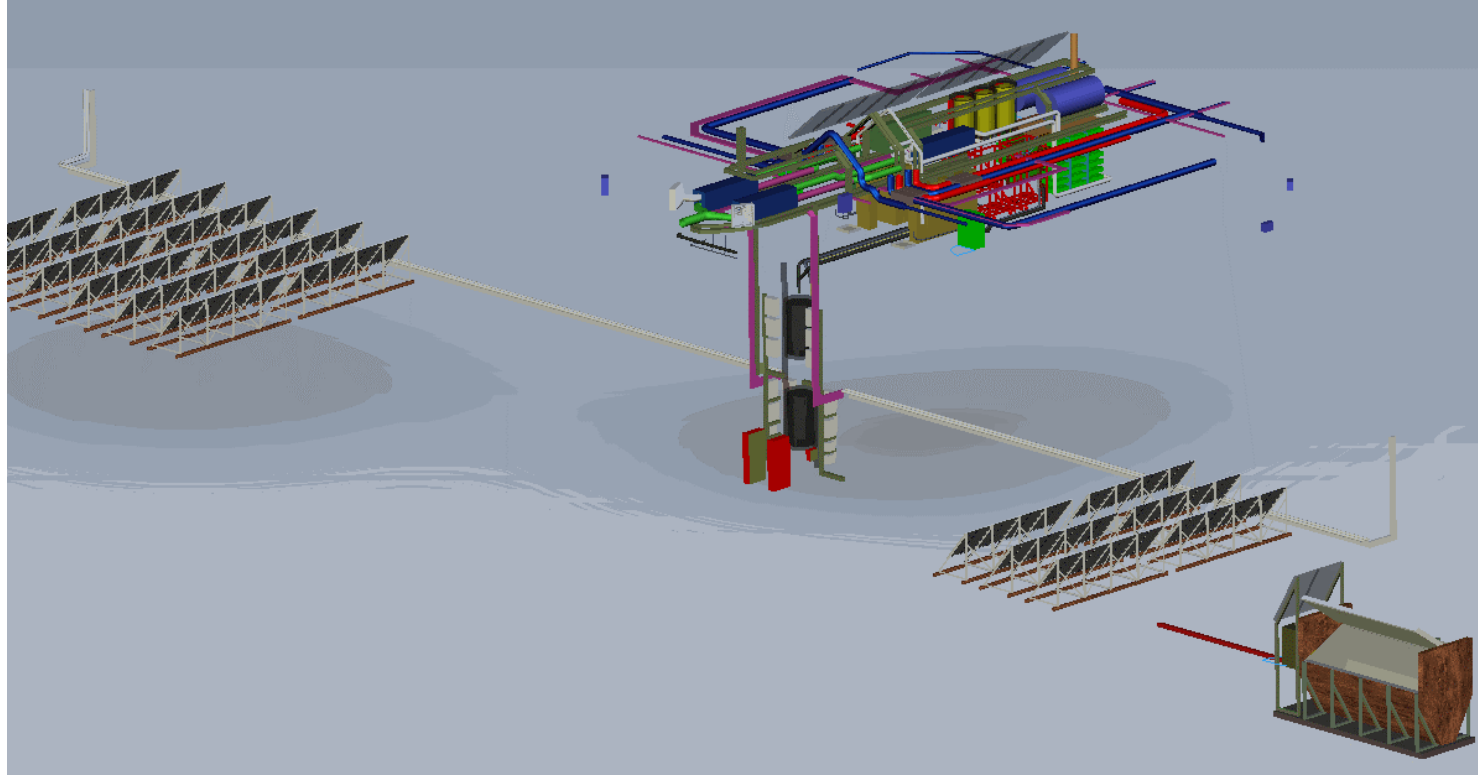
TECHNICAL CORE

- 01. energy storage room (batteries)
- 02. water purification system
- 03. electrical control system for the station

BATERIAS / BACKUP



SMART GRID



Energy Production

Limited Production Capacity

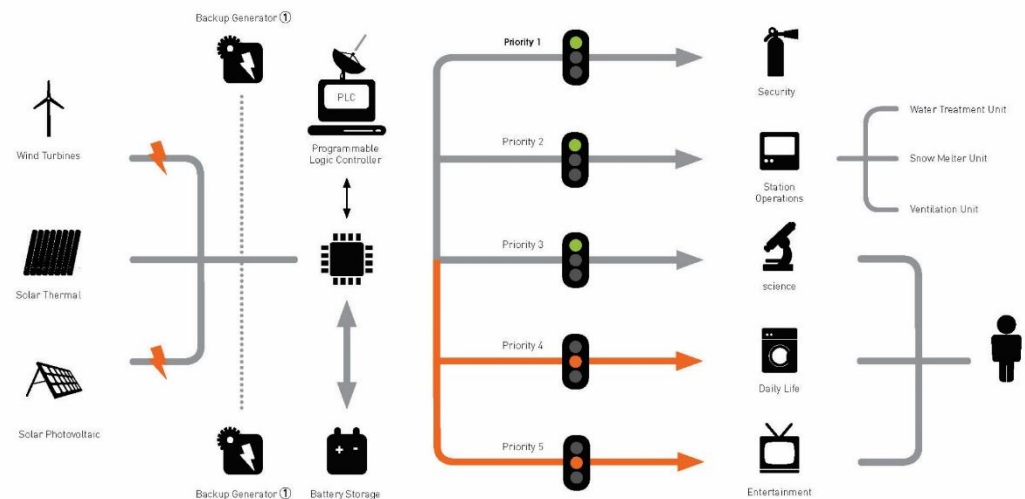
Control & Supply

Balance Available Energy & Cumulated Request
Dynamic Prioritization

Variable Demand

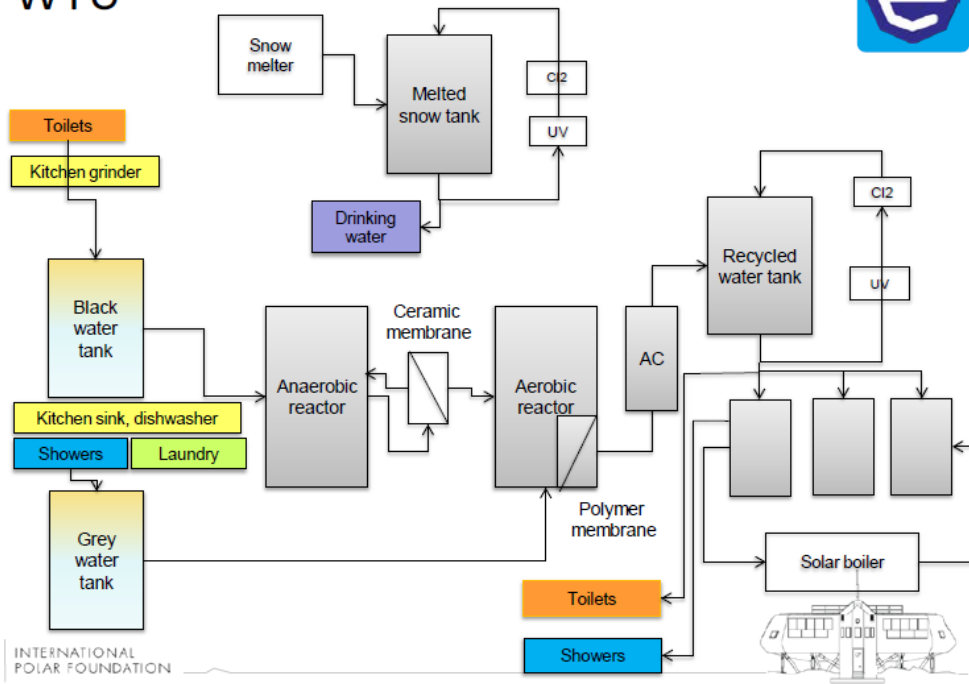
Energy Request

GESTIÓN EFICIENTE DE ENERGÍA
BATERIAS PARA ALMACENAMIENTO
EXIGENCIAS PRIORITARIAS
ASIGNAR ENERGÍA A LOS USUARIOS FINALES
REMOTE CONTROLLED



RECICLAJE 100%

WTU



INTERNATIONAL
POLAR FOUNDATION



BIORREACTORES

TRATAMIENTO CON CARBONO ACTIVADO

TRATAMIENTO UV Y CORRECCIÓN DEL PH

- Anaerobic & aerobic reactors







“LA VERDADERA RIQUEZA ES LA ENERGÍA CONTROLADA” Buckminster Fuller 1966

BIBLIOGRAFIA

