

Edited by Tycho Hellinga, Cultural Programmer of De Ceuve
Designed and illustrated by Nora Furer with and to

ILLUSTRATED GUIDE TO DE CEUVEL

benefactors and other volunteers,
Many, many, many neighbours,

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Original plan and idea:
DELVA Landscape Architects
Current plan and maintenance:
Bureau Fonkel / Anke Wijnja

Purifying Park:

Sustainability Design:

Metabolic
Studio Valkenier
Jeroen Apers Architect
Smeearchitecture
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Architects:

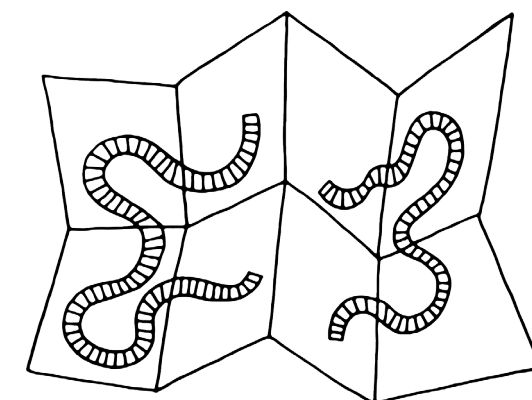
Korte Papaverweg 2 t/m 6
1032 KB Amsterdam
info@deceuve.nl
+31 (0) 20 229 62 10
www.deceuve.nl

DE CEUVEL

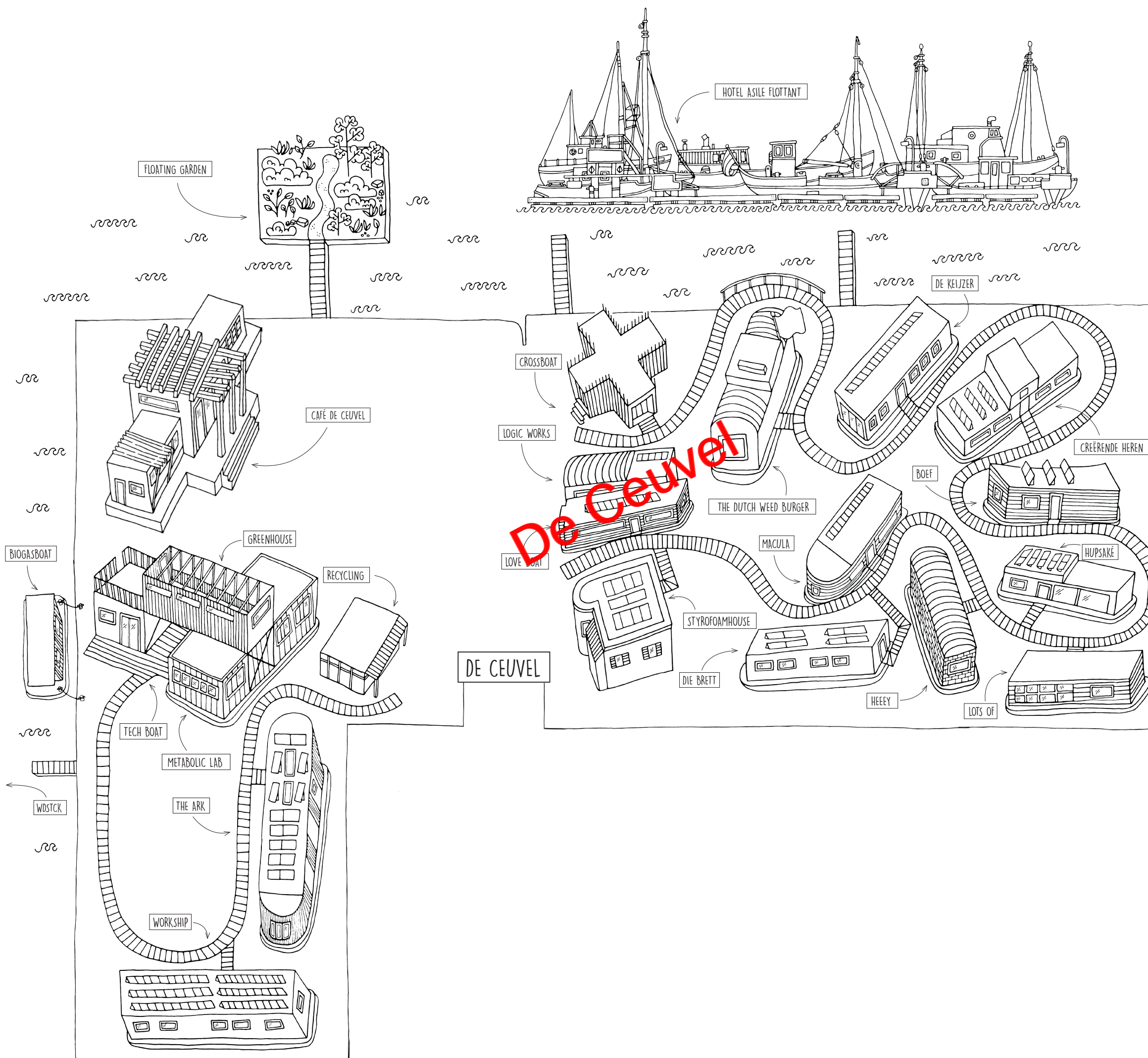
— AN ILLUSTRATED GUIDE TO —

DE CEUVEL

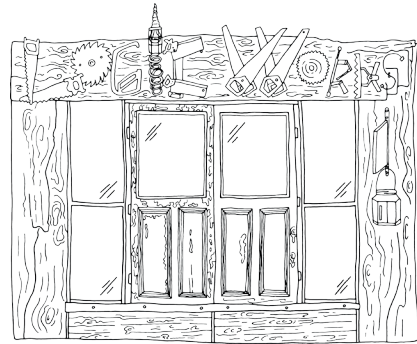
A CITY PLAYGROUND FOR INNOVATION, EXPERIMENTATION AND CREATIVITY
WHERE WE AIM TO MAKE SUSTAINABILITY TANGIBLE,
ACCESSIBLE AND FUN.



WWW.DECEUVEL.NL

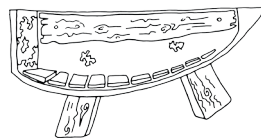


LOGIC WORKS



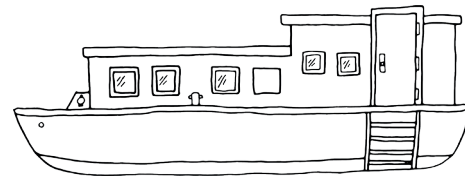
LOGIC WORKS IS A DESIGN STUDIO WITH A COOPERATIVE WORKSHOP AT THE HEART OF DE CEUVEL CREATING FURNITURE FROM UPCYCLED MATERIALS.

THE BOAT BENCHES ARE MADE OUT OF SUNKEN BOATS SALVAGED FROM THE CANALS AND CUT IN HALF.

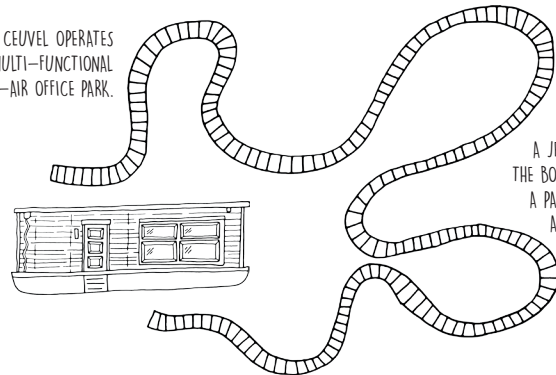


THE BOATS

DE CEUVEL IS A FORMER SHIPYARD TRANSFORMED INTO A SUSTAINABLE WORKPLACE BY LIFTING OLD HOUSEBOATS ONTO LAND. THE DESIGN AND ARCHITECTURE OF THE BOATS WAS CREATED BY THE COMPANY SPACE&MATTER.



DE CEUVEL OPERATES AS A MULTI-FUNCTIONAL OPEN-AIR OFFICE PARK.



A JETTY CONNECTS ALL THE BOATS AND SERVES AS A PATH TO EXPLORE THE AREA OF DE CEUVEL.



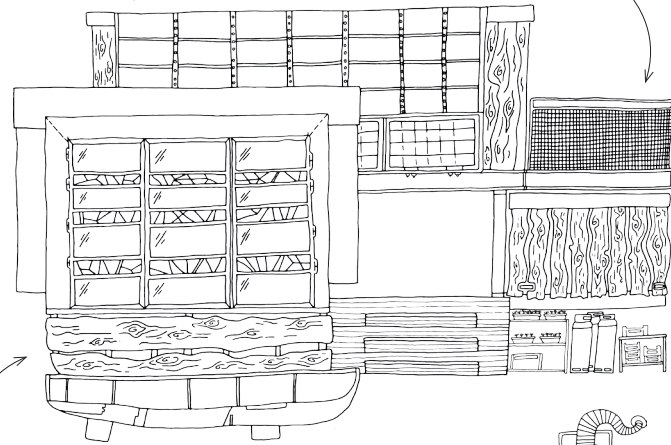
THE FIFTEEN REFURBISHED HOUSEBOATS OFFER SPACE FOR DIFFERENT ARTISTS, CREATIVE AND GREEN ENTREPRENEURS. TOGETHER ALL THE COMPANIES ON THE SITE HAVE OWNERSHIP OF DE CEUVEL THROUGH MEMBERSHIP OF ASSOCIATION DE CEUVEL.

THE GREENHOUSE AT DE CEUVEL PRODUCES VEGETABLES AND HERBS FOR THE CAFE USING AN AQUAPONICS SYSTEM COMBINING FISH AND VEGETABLE PRODUCTION.

GREENHOUSE

CONTAINS THE FISH TANK OF THE AQUAPONIC SYSTEM, THE STRUVITE REACTOR AND THE TUMBLING COMPOSTER.

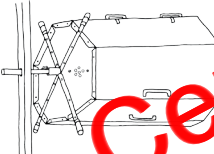
TECH BOAT



METABOLIC LAB

METABOLIC LAB IS A UNIQUE AND INSPIRING FACILITY FOR EVENTS, MEETINGS, WORKSHOPS OR TRAININGS. IT WAS BUILT BY CONSULTING AND VENTURE BUILDING COMPANY METABOLIC, RESPONSIBLE FOR THE SUSTAINABILITY PLAN AND VISION OF DE CEUVEL.

PRE-COMPOSTED WASTE FROM THE TOILETS IN THE BOATS IS BROUGHT TO OUR TUMBLING COMPOSTER FOR FURTHER COMPOSTING.

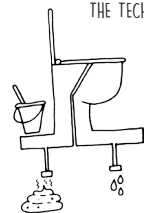


WEY TESTIGATE METHODS FOR RECOVERING NUTRIENTS FROM URINE WITH A STRUVITE REACTOR.

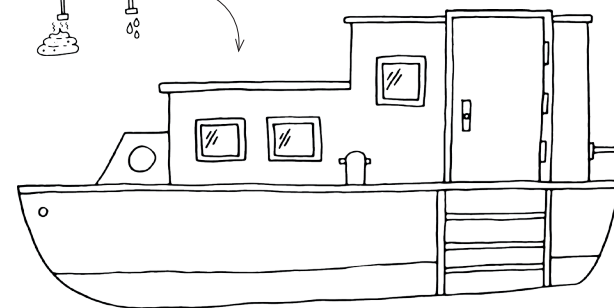
MEMBERS OF DE CEUVEL ARE REWARDED FOR SAVING ENERGY WITH A CRYPTOCURRENCY CALLED JOULIETTE WHICH THEY CAN EXCHANGE AT THE CAFE FOR DRINKS.



THE OFFICE BOATS ALL HAVE COMPOST TOILETS INSTALLED WHICH ARE EMPTIED INTO THE CENTRAL COMPOSTER AT THE TECH BOAT.



SOLAR PANELS INSTALLED ON THE OFFICE BOATS COVER THE MAJORITY OF THE ELECTRICITY DEMAND.



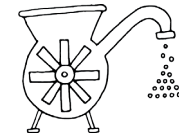
EACH OFFICE BOAT HAS A HEAT PUMP AND AN AIR-TO-AIR HEAT EXCHANGE VENTILATION SYSTEM.



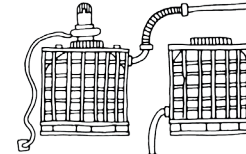
WE PROCESS WASTEWATER FROM THE KITCHEN SINKS IN HELOPHYTE FILTRATION SYSTEMS WHICH ARE SIMPLE CONSTRUCTIONS BUILT USING DIFFERENT LAYERS.

SAND, GRAVEL, AND SHELLS HELP REMOVE SOLIDS, AND A MIX OF SPECIAL PLANTS CONSUMES ORGANIC MATTER LIKE NITROGEN AND PHOSPHORUS.

IN A FIRST STEP ALL THE ORGANIC WASTE FROM THE KITCHEN IS SHREDDED.



THE SHREDDED WASTE IS STORED AND MIXED AGAIN IN A FIRST TANK LOCATED IN THE CONTAINER ON THE BOAT.



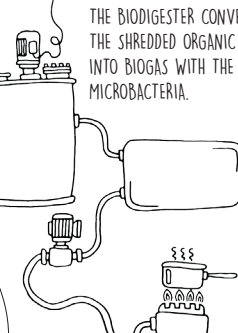
THE REMAINING DIGESTATE THAT CAN'T BE BOKEN DOWN IS A RICH SOURCE OF NUTRIENTS FOR PLANTS AND INSECTS AND ADDED TO THE COMPOSTER.



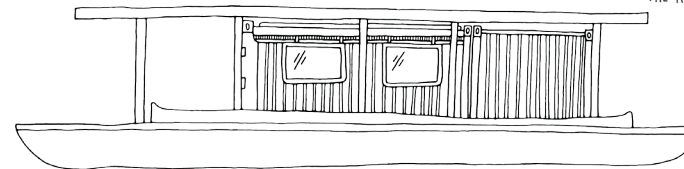
BIOGAS BOAT

WITH THE BIOGAS BOAT DE CEUVEL IS TAKING ITS NEXT STEP IN THE MISSION OF CLOSING AS MANY LOOPS AS POSSIBLE. TO REDUCE ITS WASTE PRODUCTION AND CONTRIBUTE TO AN INCREASINGLY SUSTAINABLE CIRCULAR ECONOMY.

THE BIODIGESTER CONVERTS ALL THE SHREDDED ORGANIC WASTE INTO BIOGAS WITH THE AID OF MICROBACTERIA.



THE OBTAINED BIOGAS IS USED TO COOK WITH IN THE KITCHEN.



DE CEUVEL SITE HAS BEEN POLLUTED BY ALMOST A CENTURY OF HEAVY INDUSTRY.



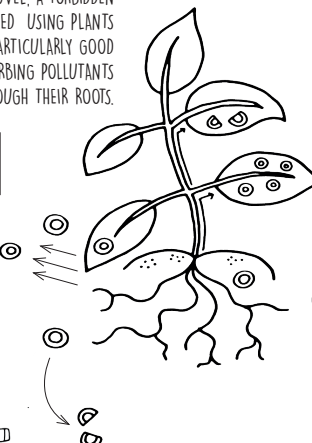
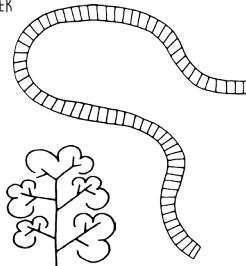
NORMALLY POLLUTED GROUND IS REMOVED AND MIXED UP WITH CLEAN GROUND UNTIL THE LEVEL OF POLLUTION IS DEEMED ACCEPTABLE AGAIN. THIS TRADITIONAL METHOD OF SOIL SANITATION MERELY MOVES THE PROBLEM.



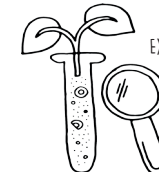
AT DE CEUVEL, A FORBIDDEN GARDEN WAS DESIGNED USING PLANTS THAT ARE KNOWN TO BE PARTICULARLY GOOD AT BREAKING DOWN OR ABSORBING POLLUTANTS THROUGH THEIR ROOTS.

PHYTOREMEDIATION

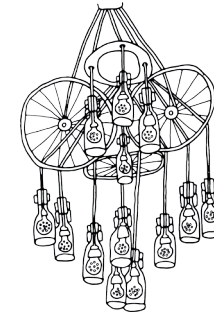
TO PROTECT BOTH HUMAN AND PLANT HEALTH, WE BUILT A RAISED JETTY OVER THE PARK.



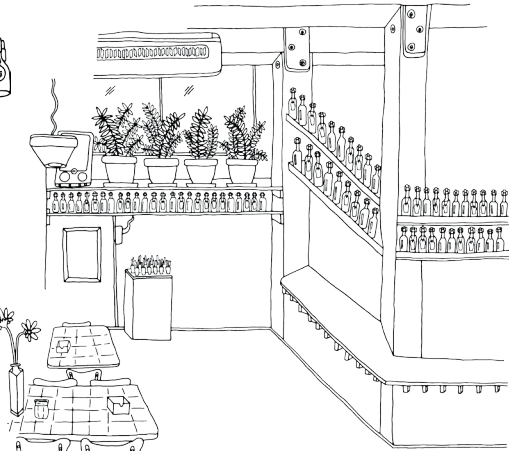
SOIL SAMPLES ARE REGULARLY EXAMINED SO WE CAN CONTINUOUSLY TRACK AND IMPROVE THE PROCESS.



THE UNIQUE LAMP HANGING IN THE CAFE IS MADE FROM BOTTLES AND OLD BICYCLE WHEELS.

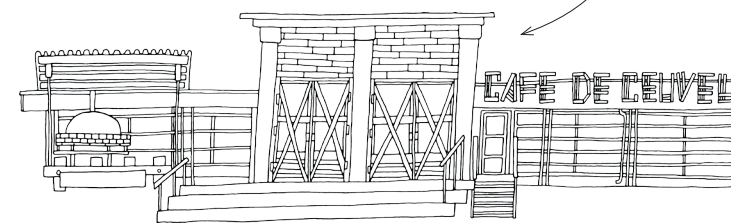


WE SELECT OUR INGREDIENTS AND SUPPLIERS WITH GREAT CARE AND AIM TO CLOSE AS MANY LOOPS ON THE SITE AS POSSIBLE.



THE REVENUE GENERATED WITH THE CAFE GOES INTO OUR CULTURAL PROGRAM AND IS USED TO MAINTAIN THE SUSTAINABLE TECHNOLOGIES.

CAFÉ DE CEUVEL

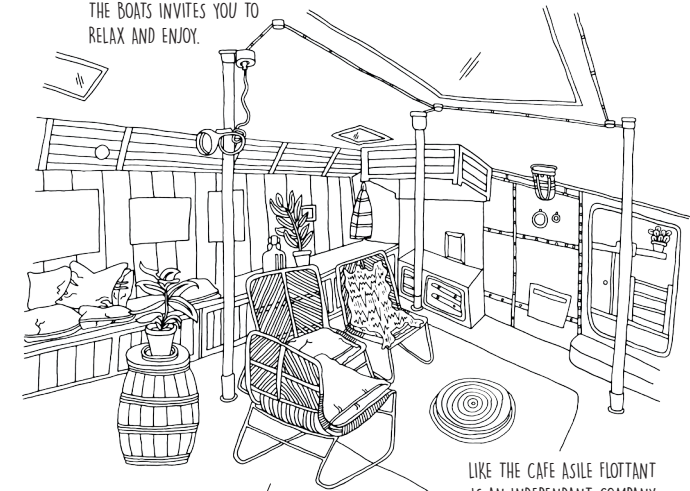


CAFÉ DE CEUVEL WAS BUILT AND DESIGNED BY STUDIO VALKENIER COMPLETELY OUT OF REUSED MATERIALS INCLUDING BOLLARDS AND A PAVILION OF THE RESCUE BRIGADE.

HOTEL ASILE FLOTTANT

A UNIQUE FLOATING HOTEL MADE FROM REFURBISHED AND RETRO-FITTED ANTIQUE BOATS, DESIGNED AND BUILT BY WOODIES AT BERLIN, A SHIP-DESIGNING COMPANY FROM AMSTERDAM NOORD.

THE COZY AMBIENCE WITHIN THE BOATS INVITES YOU TO RELAX AND ENJOY.



LIKE THE CAFE ASILE FLOTTANT IS AN INDEPENDANT COMPANY WITHIN ASSOCIATION DE CEUVEL.

