“Kan man bygge et hus af skrald ”

Vi har et Problem....!

Vi har et Problem....!


LIPPO


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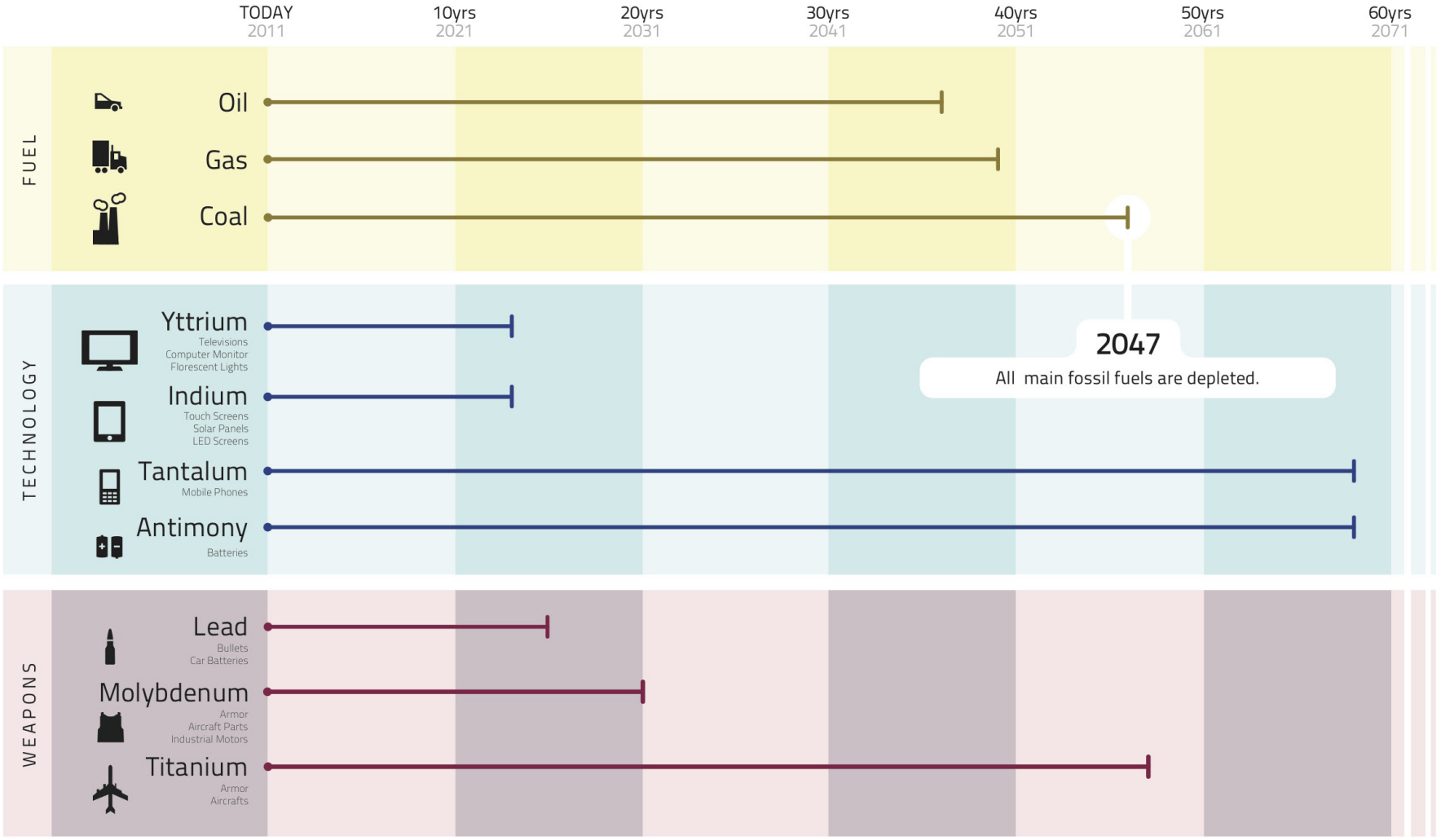
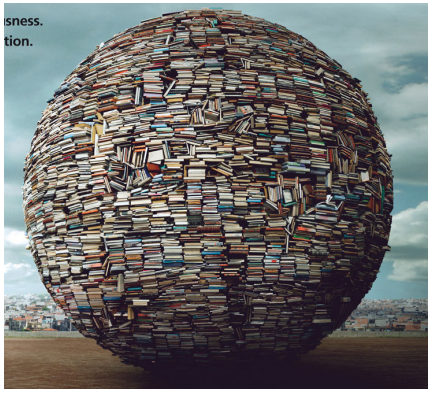
End of the Line

When Will Our Natural Resources Run Out? (If Production Continues to Grow at Current Rates)



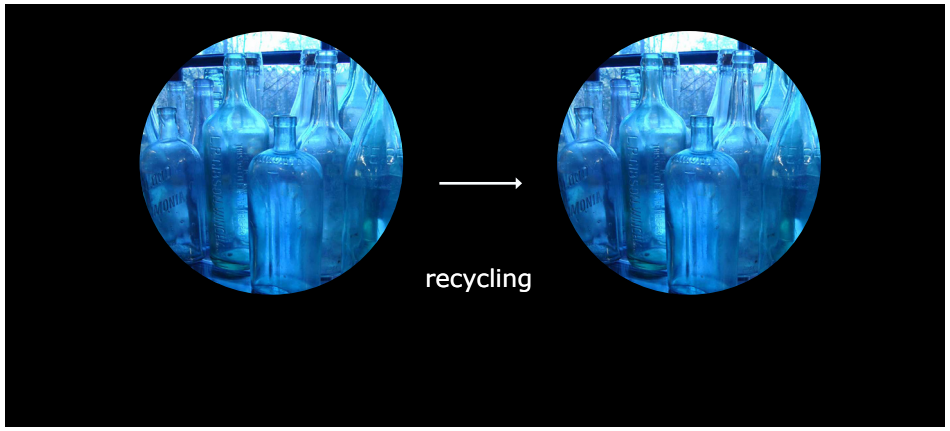
Sources (minerals): US Geological Survey, Adroit Resources, World Bureau of Metal Statistics, International Copper Study Group, World Gold Council, Minormetals.com, Roskill Nicke l Report, Cordell et al (2009), Smil (2000), Silver Institute, World Nuclear Association, International Lead and Zinc Study Group, Source (fossil fuels): BP Statistical Review of World Energy 2010.

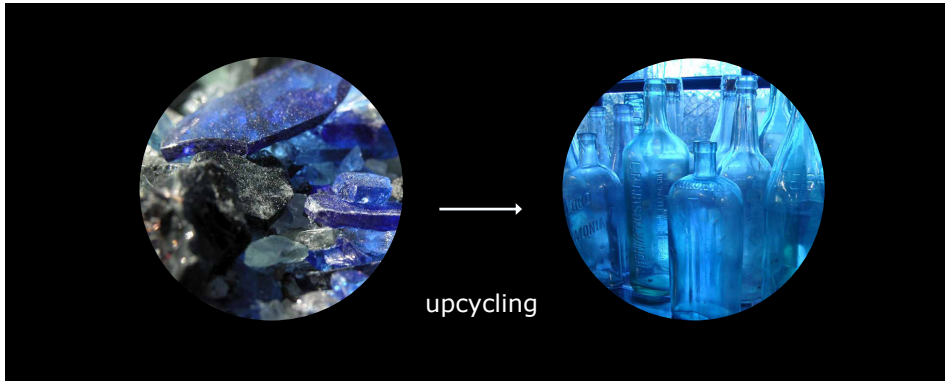


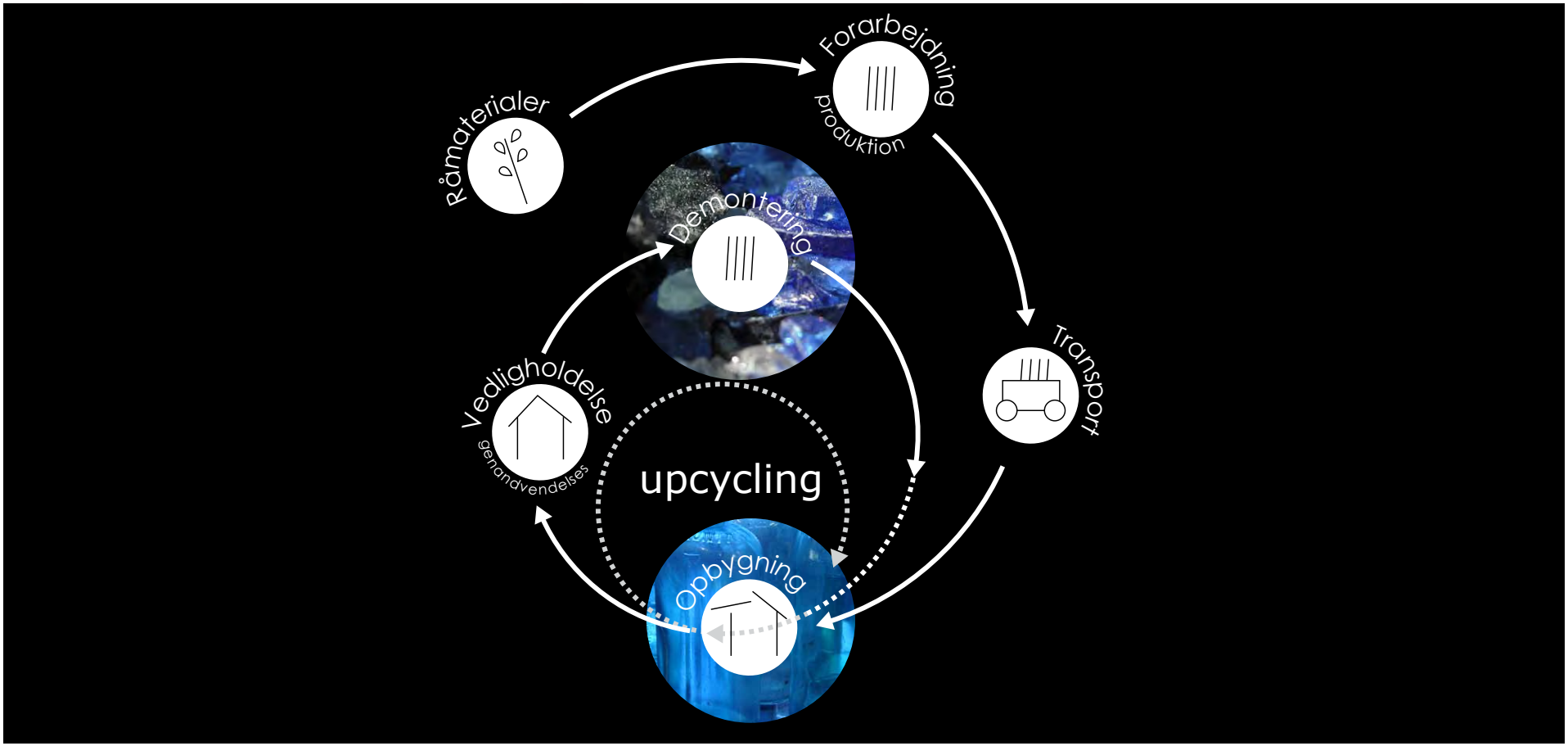




Let´s Upcycle

Materialernes cyklus fra affald til værdi.


recycling


upcycling


Råmaterialer
Forarbejdning
produktion
Demontering
Transport
Vedligholdelse
genanvendelses
upcycling
Opbygning

Find Holger?

&

The Hvem, Hvad, Hvor?


EVERGREEN

GAMLE MURSTEN

UPCYCLING

MURSTENSSKALLER (20-25 mm)

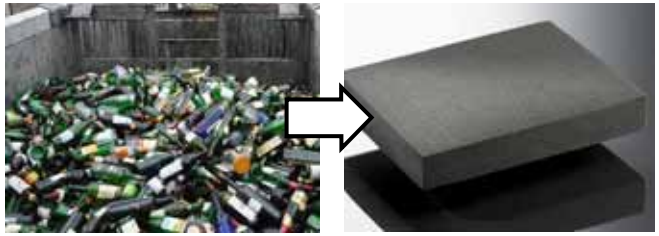
MUNCHOLM

UPCYCLING

Genbrug ca. 95%

GLAPOR ISOLERING

UPCYCLING



GENVUNDET GLASFIBER

Genbrug 70%

GENBRUGSPLAST I BYGGERI

UPCYCLING

Genbrug 100%

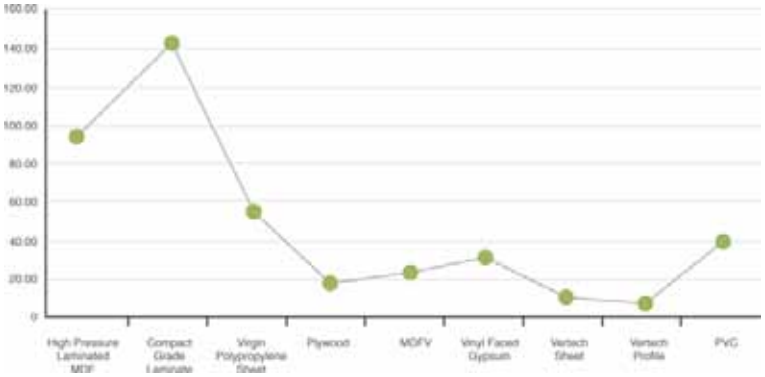
UPM PROFI

UPCYCLING

Genbrug 65%

GENBRUGSPLAST I BYGGERI

UPCYCLING



PROFIL

MINIWIZ er en alt-i-en design / ingeniør / fremstilling / produkt marketing selskab, der skaber værdi gennem innovativ anvendelse af eksisterende og fremtidig grøn teknologi.

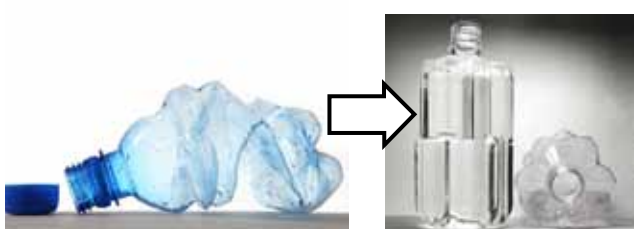
d

Produkter

Polli-brick

MINIWIZ

UPCYCLING



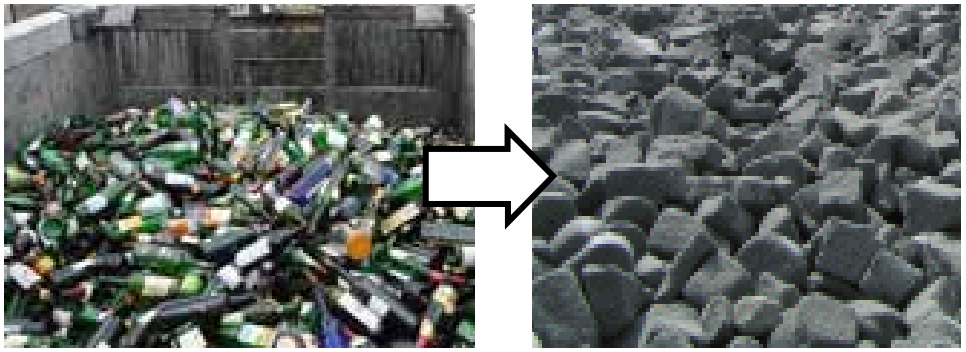
PAPIRULD

UPCYCLING

Genbrug ca. 75%

TECHNOPOR

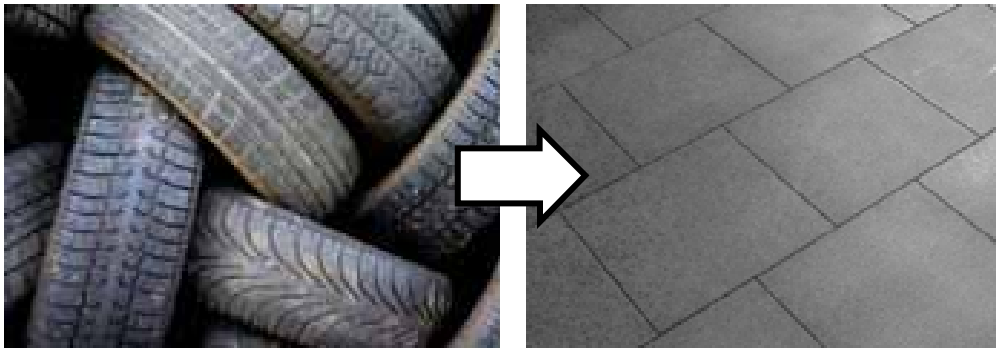
UPCYCLING



Genbrug ca. 95%

ERGOFLOOR

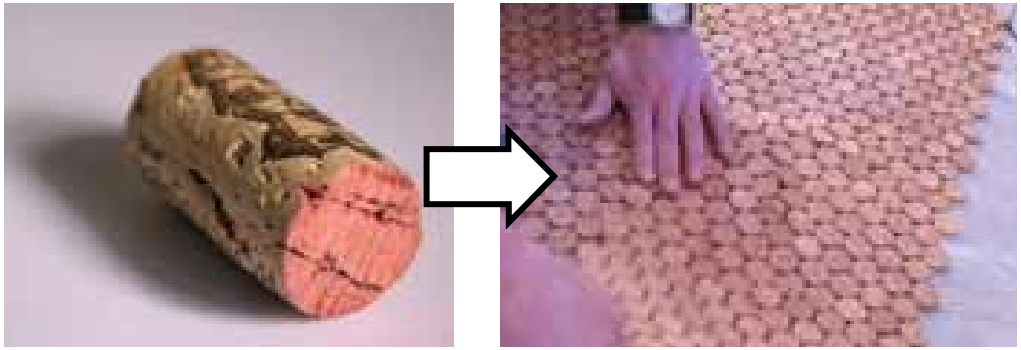
UPCYCLING



Genbrug ca. 100%

JELINEK CORK

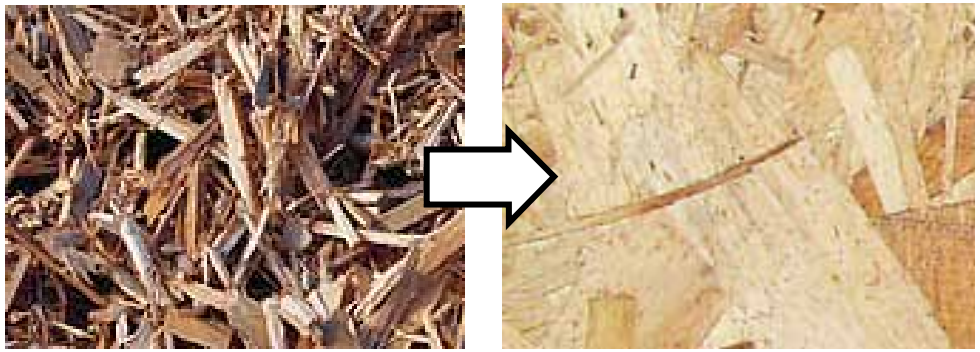
UPCYCLING



Genbrug ca. 100%

KRONOSWISS

UPCYCLING



Livscyclus for produktionen

Genbrug ca. 100%

LÆDERGULV

UPCYCLING

Genbrug ca. 100%

UPCYCLE HOUSE
/byggeprogram/

KOMPONENT	Tag	Vindues profiler	Glas	Facader	Isolering	Bærende konstruktion	Indvendige væge	Gulve	Instalationer	Fundament	Have og udvendig belægning
MATERIALE	 "Sedum - grønt tag". -regnvandsopsamling. -isolerende. -lyddæmpende.	 Vindues profiler i træ.	 Recycled glass. (Genbrug fra flasker, vinduer og fjernsyn).	 Genbrugs metalflader.	 Bomuldsfiber isolering.	 Flyve aske beton. (aske, slakker)	 Rubbersidewalks/ Tire veneer. -genbrugte dæk. -low - embodied energy.	 Rubbersidewalks/ Tire veneer. -genbrugte dæk. -low - embodied energy.		 Flyve aske beton. (ash, slag, silca fume). -reduces the need for land-filling what would otherwise be waste materials. -reduce greenhouse gas emissions.	 Rubbersidewalks/ Tire veneer.
	 Træ	 Genbrugsaluminium.	 Nanogel (97% luft, 3 silica). U-værdi 0,25	 FSC godkendt træ (lokaltræ). Facadebeklædning, lærketræ selvimprænerende. 86 kg CO2/m3	 Parpiruld isolering. 13,8 kg CO2/m3	 Container - genbrug	 "Kirei board". -85% sorghum straw, 10% KR bond adhesive, 5% poplar. -postindustrial recycled. -rapidly renewable resource. -zero VOC emissions.	 Papircement.			 Recycled steel-landscape.
	 Tyndplade.	 Genbrugsvinduer.		 Genbrugs stål-landskab.	 Glass foam isolering.		 Træ	 Aluma. -recycled aluminium .			 Grasspave2. -100% recycled HDPE plactic, hydrogrow.
				 Genbrugstegl/ filset 61,6 kg CO2/m3	 Træfiber isolering. 13,8 kg CO2/m3		 "Gipsplader" -genbrug/kommer som affaldsprodukt fra industrien. -300 kg CO2/m3	 "Kirei board". -85% sorghum straw, 10% KR bond adhesive, 5% poplar. -postindustrial recycled. -rapidly renewable resource. -zero VOC emissions.			
					 Hørfiber isolering.			 Kork			
								 "Bambus" -Bambus fiber. -low VOC resin.			
KODE	RE AL	RE AL	glass recycle	RE AL	RE	RE	RE	RE AL		RE	RE

LENDAGER ARKITEKTER

Reference House	Concrete	Reinforcement steel	Styrodur	Plastic Foil	Screed	Elastomeric Isolation	Wood	Glas wool	Gypsum	Diffusion open foil	Brick Facade	Plaster	wood windows	Glass fassade	soft wood	
	89,64 m³	6274,8 kg	2376 kg	163,8175 kg	15720 kg	235,8 kg	3,144 m³	1945,8 kg	2505,6 kg	109,44 kg	50729,25 kg	1839 kg	20m²	31,5m²	2 m³	
Env. imp. eval. (PET W, EU 2004)	5,8815382787	0,6217572075	2,2084855543	0,1275198454	0,6603454147	0,2193117176	0,1060712957	1,5594078174	0,2698403148	0,0847540436	2,7119161368	1,6552070489	0,3598893098	0,9561021925	0,0956545888	17,5178007657
Acidification potential	0,3731337593	0,0530594224	0,2455707453	0,0134236888	0,0417461823	0,0243889002	0,00977028	0,1031317384	0,0212027067	0,0089218419	0,2507242708	0,1530285352	0,0298650352	0,107732213	0,0096007018	
Aquatic eutrophication	0,4270412983	0,1032278739	0,1535831045	0,0094061999	0,0524528335	0,0152513697	0,0127207868	0,1028825445	0,0260845431	0,0062516816	0,1842179741	0,1124373858	0,0311789216	0,0675665571	0,0114152524	
Global warming	3,0930625174	0,2572209279	1,0812815043	0,0588798172	0,3457067859	0,1073733186	0,0247601739	0,7091595884	0,0964648824	0,0391335369	1,3229873249	0,8074771908	0,143227509	0,4041733335	0,0236078537	
Photochemical ozone formation - in	0,0008165754	9,9205765E-005	0,0005657064	2,6688675E-005	0,0001029325	5,6183373E-005	3,1298706E-005	0,0002273941	0,0000426321	1,7738205E-005	0,0004893291	0,0002986617	7,1742103E-005	0,0001596505	2,6954683E-005	
Photochemical ozone formation - in	0,8472717265	0,0963735942	0,5385531128	0,0257703854	0,1081336408	0,0534859662	0,0308896666	0,2253274417	0,0439807049	0,0171278781	0,4923318004	0,3004942712	0,0726111357	0,1610844102	0,026667953	
Stratospheric ozone depletion	0,4698805436	0,0665906775	0,00137171	0,0087277701	0,0275776005	0,0001321981	0,0110809808	0,2965399728	0,0487905883	0,0058007741	0,1623218382	0,1020696802	0,0373520772	0,1165888485	0,0089790343	
Terrestrial eutrophication	0,6703318581	0,0451855053	0,1875596714	0,0112852955	0,0846254394	0,0186237814	0,0168181088	0,1221391401	0,0332742575	0,0075005927	0,2939332531	0,1794013224	0,0455828859	0,0987971792	0,0153568389	

Upcycle House	Container	Concrete	Used concrete blocks	Reinforcement steel	steel for Container	Styrodur	Plastic Foil	Screed	Elastomeric Isolation	Cork floor	Upcycle Isolation	Gypsum	Diffusion open foil	Reused Bricks Facade Gamle Morsten	Sound Isolation	Reused wood windows	Aluminium Glass fassade	Reused Aluminium Glass fassade	soft wood
	16600 kg	3,9 m³	3,9 m³	948 kg	2000 kg	163,81 kg	1356 kg	15720 kg	235,8 kg	942 kg	2710,8 kg	5538,42 kg	109,44 kg	30960 kg	466,55 kg	20m²	11,5 m²	40 m²	2 m³
EDIP 2003, Env. imp. eval. (PET W, EU	0,1281031454	0,4592901378	0,0832312437	0,0832312437	0,0308682278	1,2603983214	0	0,6603454147	0,2193117176	0,1060712957	0,4406562254	0,5964595291	0,0847540436	0,6285830693	0,6667832578	0,0449861637	0,6070490111	0,0758811264	0,0956545888
Acidification potential	0,0130109748	0,0291380669	0,0071027753	0,0071027753	0,0031351744	0,1401489605	0	0,0417461825	0,0243889002	0,00977028	0,0410434579	0,0468668162	0,0089218419	0,0547406115	0,0759855312	0,0037331294	0,0684014051	0,0085501756	0,0096007018
Aquatic eutrophication	0,0091967614	0,0333477141	0,0138185521	0,0138185521	0,0022160871	0,0876509637	0	0,0524528335	0,0152513697	0,0127207868	0,0426251527	0,0576577087	0,0062516816	0,0693883007	0,1181975941	0,0038973652	0,0428994012	0,0053624252	0,0114152524
Global warming	0,0667211386	0,2415376799	0,0344327617	0,0344327617	0,0160773828	0,617095	0	0,3457067859	0,1073733186	0,0247601739	0,1689197737	0,2132275837	0,0391335369	0,2151577465	0,2614245825	0,0179034386	0,2566179898	0,0320772487	0,0236078537
Photochemical ozone formation - in	2,1281378E-005	6,3766487E-005	1,3280134E-005	1,3280134E-005	0,0000051282	0,0003228526	0	0,0001029325	5,6183373E-005	3,1298706E-005	4,2508275E-005	9,4234410E-005	1,7738205E-005	0,0001289992	0,0001503982	8,9677629E-006	0,0001013656	1,2670696E-005	2,6954683E-005
Photochemical ozone formation - in	0,0217870037	0,0661635663	0,012901007	0,012901007	0,0052498804	0,3073560694	0	0,1081336406	0,0534859662	0,0308896666	0,0434754725	0,0972156832	0,0171278781	0,1323934865	0,1443188163	0,009076392	0,1022758114	0,0127844771	0,026667953
Stratospheric ozone depletion	0,0027483955	0,0366930367	0,0089141306	0,0089141306	0,0006622642	0,0007828446	0	0,0275776005	0,0001321981	0,0110809808	0,1143125607	0,1078475292	0,0058007741	0,065921497	0,0046296734	0,0046690097	0,0740246657	0,0092530832	0,0089790343
Terrestrial eutrophication	0,01461759	0,0523463075	0,006048737	0,006048737	0,0035223108	0,1070416306	0	0,0846254394	0,0186237814	0,0168181088	0,0302372998	0,0735499733	0,0075005927	0,0908524284	0,0620766623	0,0056978611	0,0627283677	0,007841046	0,0153568389

.

	Concrete	Reinforcement steel	Styrodur	Plastic Foil	Screed	Elastomeric Isolation	Wood	Glas wool	Gypsum	Diffusion open foil	Brick Facade	Plaster	wood windows	Glass fassade	soft wood	
Env. imp. eval. (PET W, EU 2004)	5,8815382787	0,6217572075	2,2084855543	0,1275198454	0,6603454147	0,2193117176	0,1060712957	1,5594078174	0,2698403148	0,0847540436	2,7119161368	1,6552070489	0,3598893098	0,9561021925	0,0956545888	17,5178007657

	Container	Concrete	Reinforcement steel	steel for Container	Styrodur	Plastic Foil	Screed	Elastomeric Isolation	Hard wood	Upcycle Isolation	Gypsum	Diffusion open foil	Reused Bricks Facade	Sound Isolation	Reused wood windows	Aluminium Glass fassade	Reused Aluminium Glass fassade	soft wood	
EDIP 2003, Env. imp. eval. (PET W, EU	0,1281031454	0,4592901378	0,0832312437	0,0308682278	1,2603983214	0	0,6603454147	0,2193117176	0,1060712957	0,4406562254	0,5964595291	0,0847540436	0,6285830693	0,6667832578	0,0449861637	0,6070490111	0,1274321138	0,0956545888	6,2399775069

	Reference House	Upcycle House	
Env. imp. eval. (PET W, EU 2004)	17,5178007657	5,6961484811	32,52%
Global warming	8,5145162627	2,5275419486	29,69%

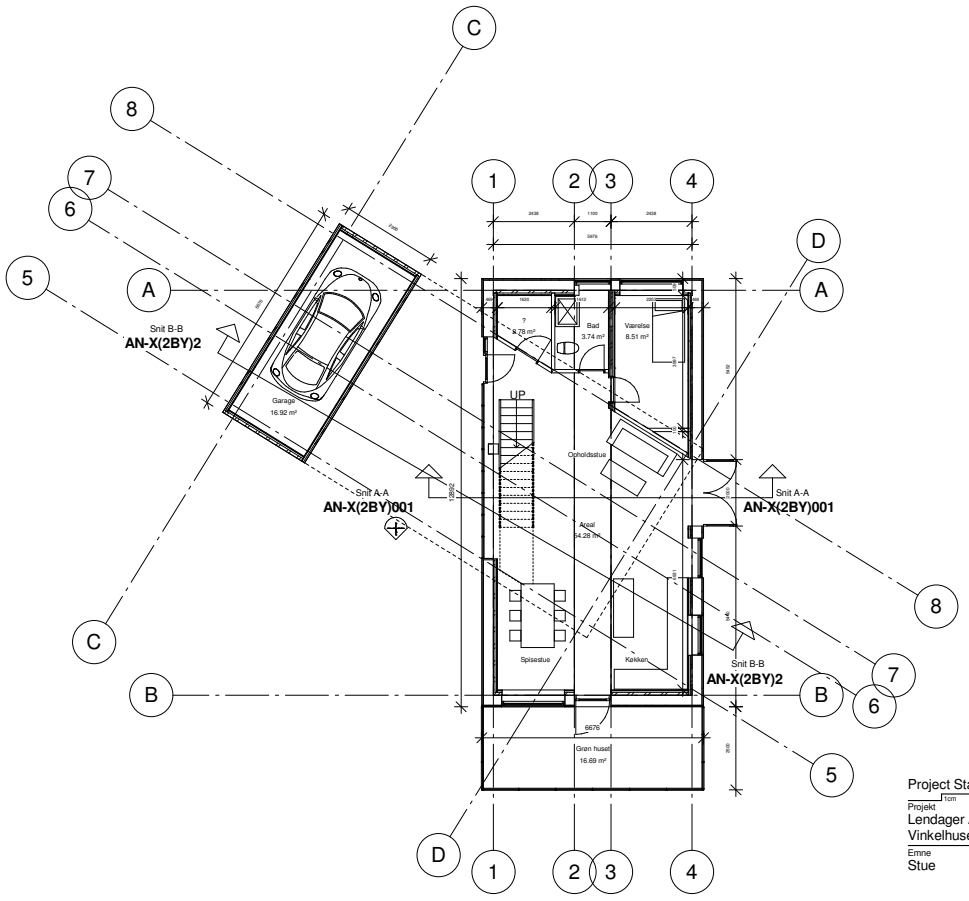
Reference House	Concrete	Reinfo steel
	89,64 m³	6274,8
Env. imp. eval. (PET W, EU 2004)	5,8815382787	0,6
Acidification potential	0,3731337593	0,0
Aquatic eutrophication	0,4270412983	0,1
Global warming	3,0930625174	0,2
Photochemical ozone formation - in	0,0008165754	9,920
Photochemical ozone formation - in	0,8472717265	0,0
Stratospheric ozone depletion	0,4698805436	0,0
Terrestrial eutrophication	0,6703318581	0,0

	Reference House	Upcycle House	UH/RH
Env. imp. eval. (PET W, EU 2004)	17,5178007657	6,2399775069	**35,62%**
Global warming	8,5145162627	2,6888302838	**31,58%**

Upcycle House	Container	Concr
	16600 kg	3,9 m³
EDIP 2003, Env. imp. eval. (PET W, EU	0,1281031454	0,4
Acidification potential	0,0130109748	0,0
Aquatic eutrophication	0,0091967614	0,0
Global warming	0,0667211386	0,2
Photochemical ozone formation - in	2,1281378E-005	6,376
Photochemical ozone formation - in	0,0217870037	0,0
Stratospheric ozone depletion	0,0027483955	0,0
Terrestrial eutrophication	0,01461759	0,0

.

Tegning
AN-11(2TE)001



Project Status LENDAGER ARKITEKTER

Projekt
Lendager Arkitekter
Vinkelhuset

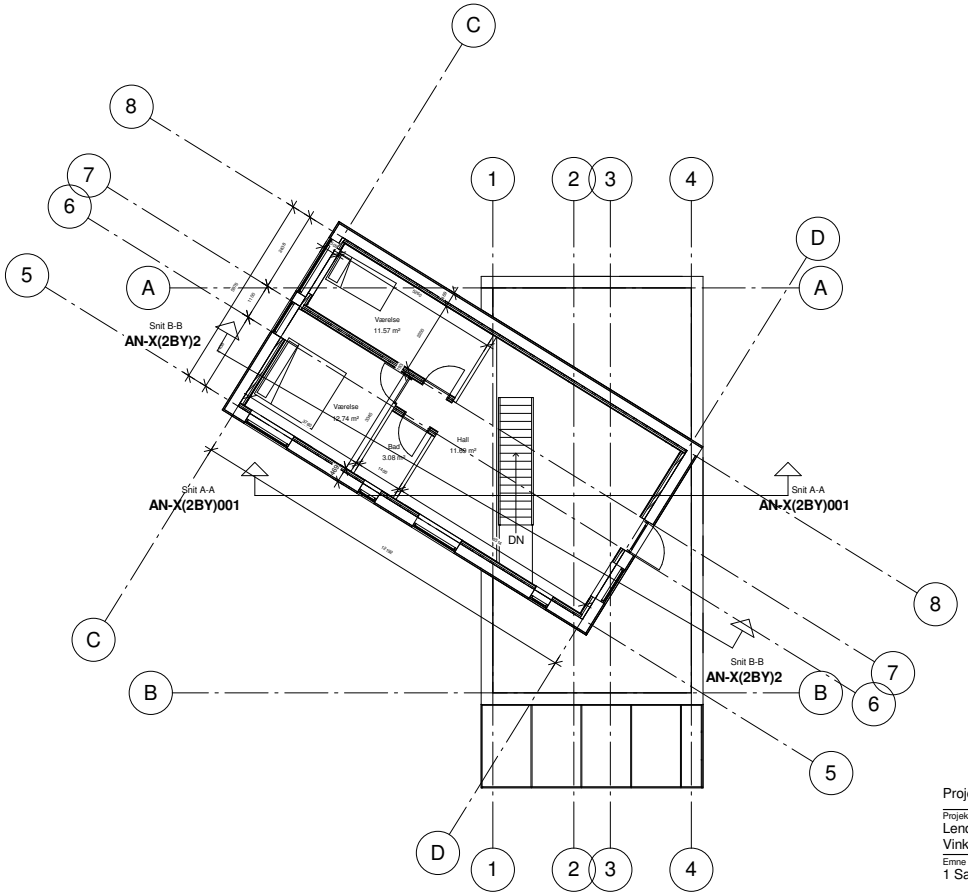
Emne
Stue

Format
Stig Project
Tegn. Anna Ziober
Kontrol Checker
Dato 08/05/12
Skala 1 : 100

Tegning
AN-11(2TE)001

C:\Users\Anna\Desktop\Vinkel\20120427_Upcycle house.rvt

Tegning
AN-21(2TE)001



Project Status

LENDAGER ARKITEKTER

Projekt
Lendager Arkitekter
Vinkelhuset

Emne
1 Sal

Format
Sag Project
Tegn. Anna Zlober
Kontrol Checker
Dato 02/05/12
Skala 1 : 100

Tegning
AN-21(2TE)001

C:\Users\Anna\Desktop\Vinkel\20120427_Upcycle house.rvt

Re-more-then-dobbel-cycling = Upcycling

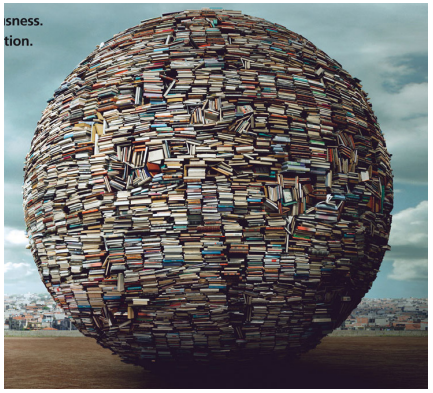
CO2 reduktion ca. 75 %.
Fjerne ophobningen af skrald.
Nedsætter Co2.
Bilig råmaterialer.
Udvikler lukkede produktions cykluser.

=

Uanede potentialer for nyudvikling og nytænkning.

Affald = råmaterialer




PAUL VILLINSKI > "On beer can butterfly". Transformation af affald til kunst.
Paul Villinski har udarbejdet nogle smukke værker af materialer vi betragter som affald. Gamle dåser fra New Yorks gader, transformeres til smukke upcycle sommerfugle.