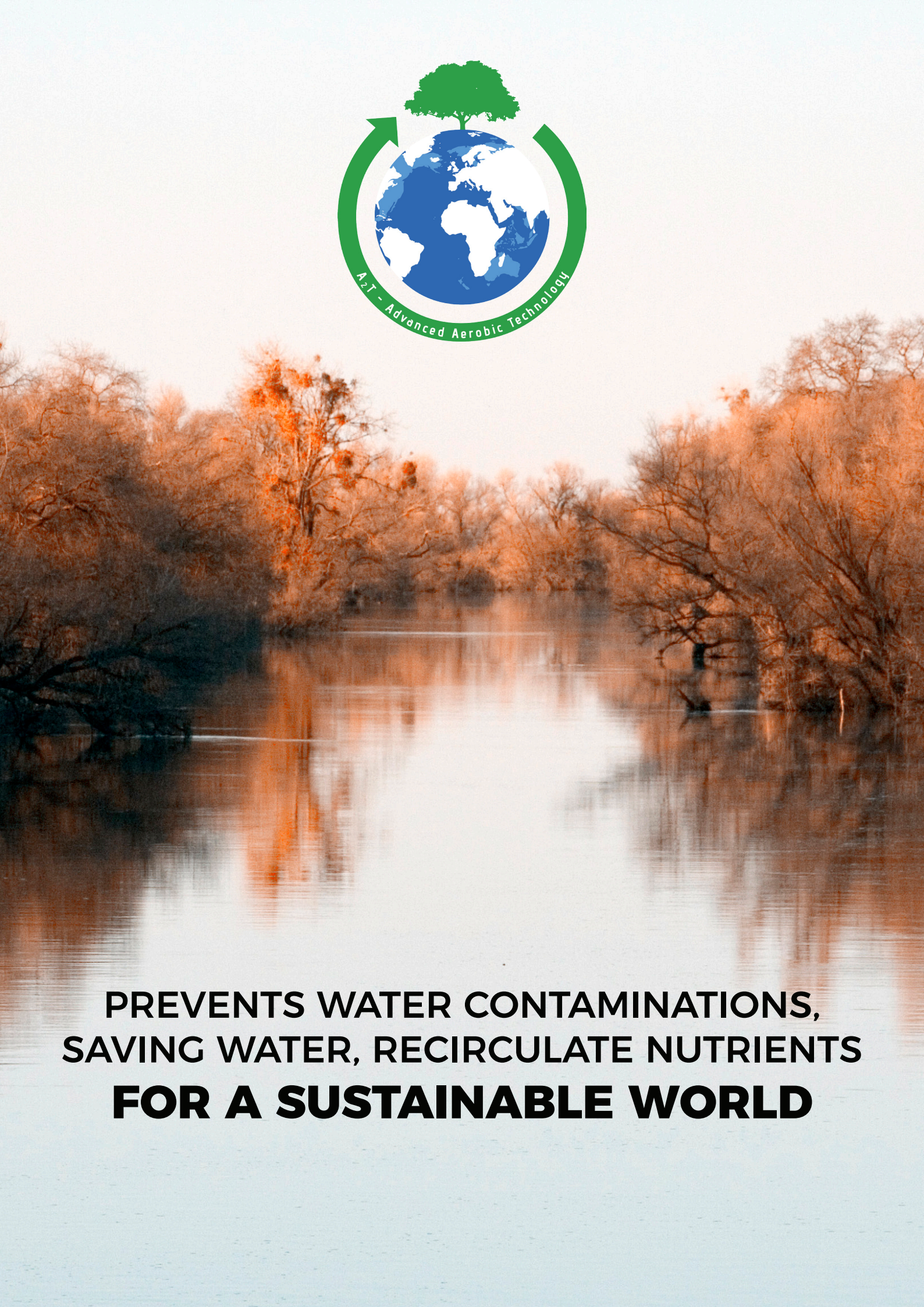


PREVENTS WATER CONTAMINATIONS,
SAVING WATER, RECIRCULATE NUTRIENTS

FOR A SUSTAINABLE WORLD

A_2T handles a high grade of
flexibility, scalability and mobility

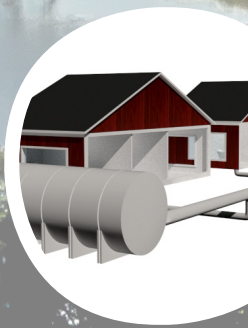
Crops becomes food (bread, vegetables or feeding for cattle)

We eat the food

Food gets.. processed

Urine faeces and if desired kitchen waste collected are separated from bath, dish and laundry

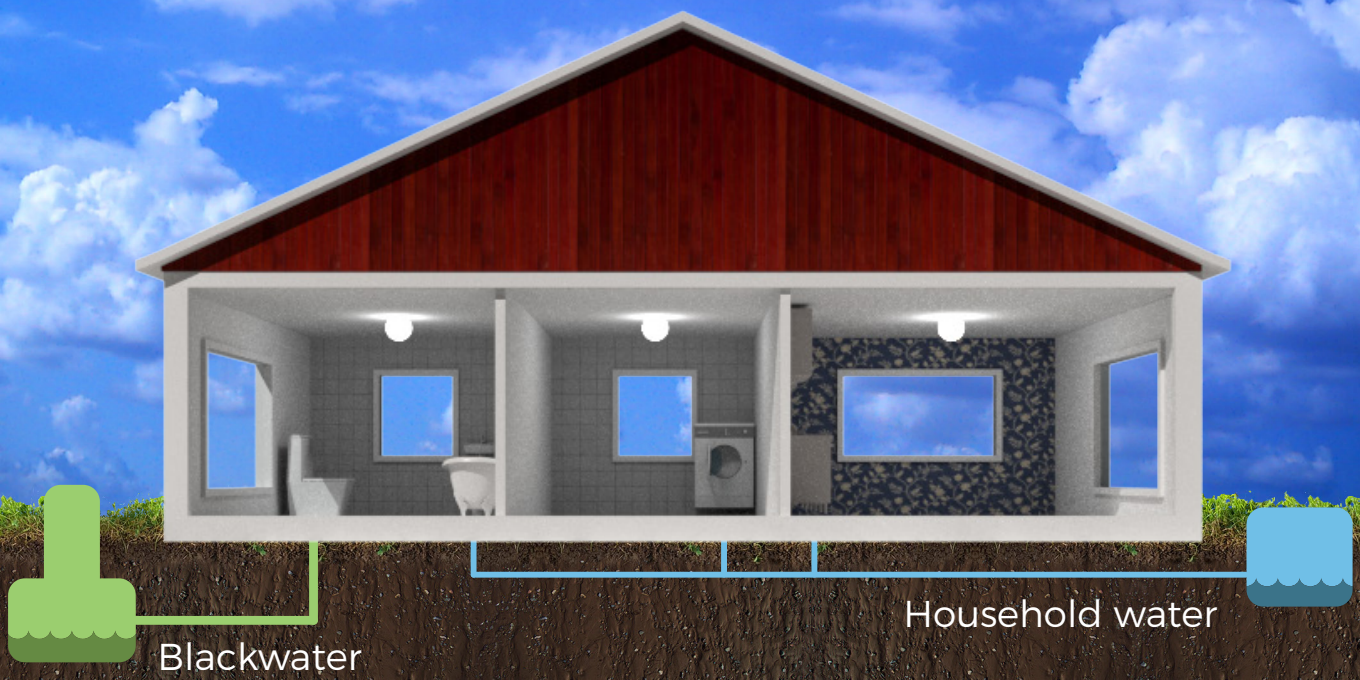
Transportation by truck or in a vacuum pipe system



Which is used to grow new crops

The process turns urine and faeces into fertilizers

Processes in A2Ts treatment facility eliminates pathogens, reduce medical residues and saves nutrients



A_2T on site system solution includes extremely low flush toilets, a closed tank for blackwater collection and household water-purification through sand filter. Transportation to A_2T treatment plant by truck

- Economic benefits compared to sewer pipe expansion
- Saving 5 m3 water per person and year (compared with a 3 L flushvolume)
- 80 – 90% less transportation / pumping of waste water
- 80 – 90% less transportation / pumping of fresh water
- 80 – 90% less sewage for disposal and treatment
- Saving resources such as plant nutrients and fresh water
- Reduction of pathogens and medical residues through a sanitisation process
- Reducing the eutrophication of lakes and sea
- Make it possible to build new homes in ecologically vulnerable pre urban and urban areas

Cooperation with The Swedish Red Cross

- Development of wastewater treatment emergency rescue unit facility
- Prevents spreading of infectious diseases by sanitisation technology
- Saves drinking water from contamination
- Include toilets and shower units
- Mobile and scalable units
- Technical and training expert assistance

RödaKorset

The process recovers:

» 70% of Nitrogen 70%

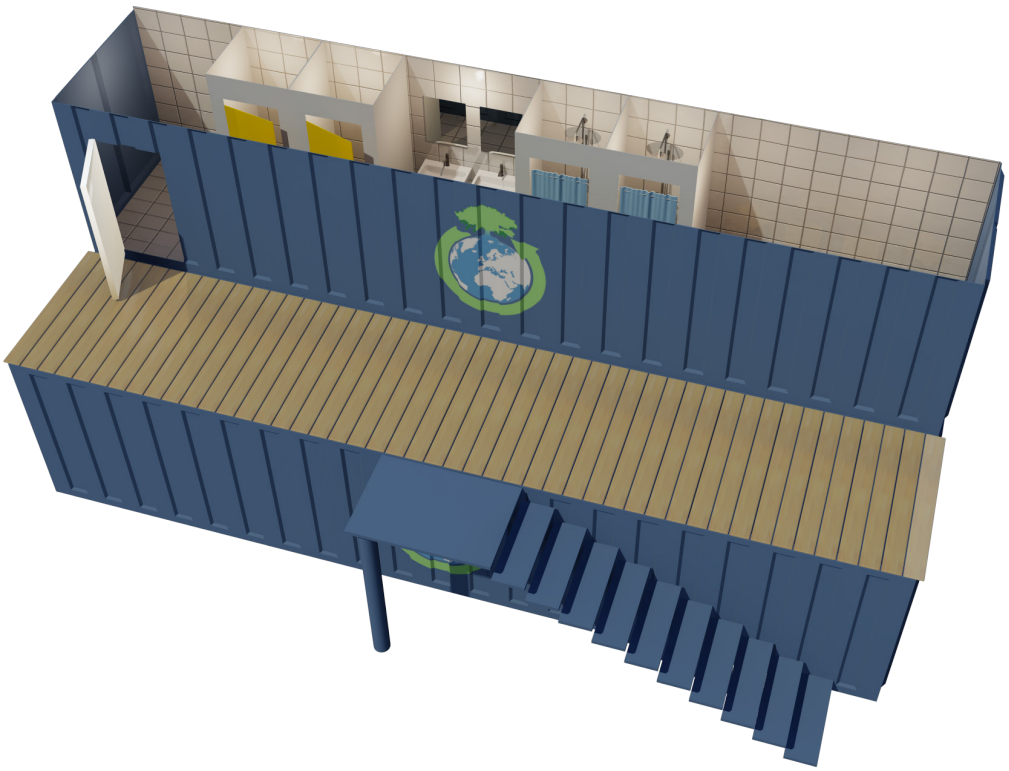
» 100% of Phosphorus 100%

» 100% of Potassium

	Produced			P	N	
Persons	**N** (kg)	**P** (kg)	**K** (kg)	**Corresponds to farmed cereals** (tone)	**Corresponds to farmed cereals** (tone)	**Value** (NPK USD)
1 000	4 450	600	1 200	200	198	10 386
2 000	8 900	1 200	2 400	400	397	20 771
3 000	13 350	1 800	3 600	600	595	31 157
4 000	17 800	2 400	4 800	800	794	41 542
5 000	22 500	3 000	6 000	1 000	992	51 928
6 000	26 700	3 600	7 200	1 200	1 191	62 313
7 000	31 150	4 200	8 400	1 400	1 389	72 699
8 000	35 600	4 800	9 600	1 600	1 588	83 084
9 000	40 050	5 400	10 800	1 800	1 786	93 470
10 000	44 500	6 000	12 000	2 000	1 985	103 855
20 000	89 000	12 000	24 000	4 000	3 969	207 710
30 000	133 500	18 000	36 000	6 000	5 954	311 565
40 000	178 000	24 000	48 000	8 000	7 939	415 420
50 000	222 500	30 000	60 000	10 000	9 924	519 275
60 000	267 000	36 000	72 000	12 000	11 908	623 130
70 000	311 500	42 000	84 000	14 000	13 893	726 985
80 000	356 000	48 000	96 000	16 000	15 878	830 840
90 000	400 500	54 000	108 000	18 000	17 862	934 695
100 000	445 000	60 000	120 000	20 000	19 847	1 038 550
110 000	489 500	66 000	132 000	22 000	21 832	1 142 405
120 000	534 000	72 000	144 000	24 000	23 816	1 246 260

Examples of what can be included in our business offer

- Capacity calculations
- Full Building documents
- Software
- Device lists
- Operation training
- Operation instructions
- Reinvestment Plans
- Control program
- Sampling and analysis program
- Calculations of nutritional and economic value of the end product
- Construction documents
- Animations
- 3D CAD drawings
- Basis for certification
- Support agreement



Meet us at

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