



Kunz Jürgen      TU Vienna, Austria  
ISOVER Multi-Comfort House - RENOVATION



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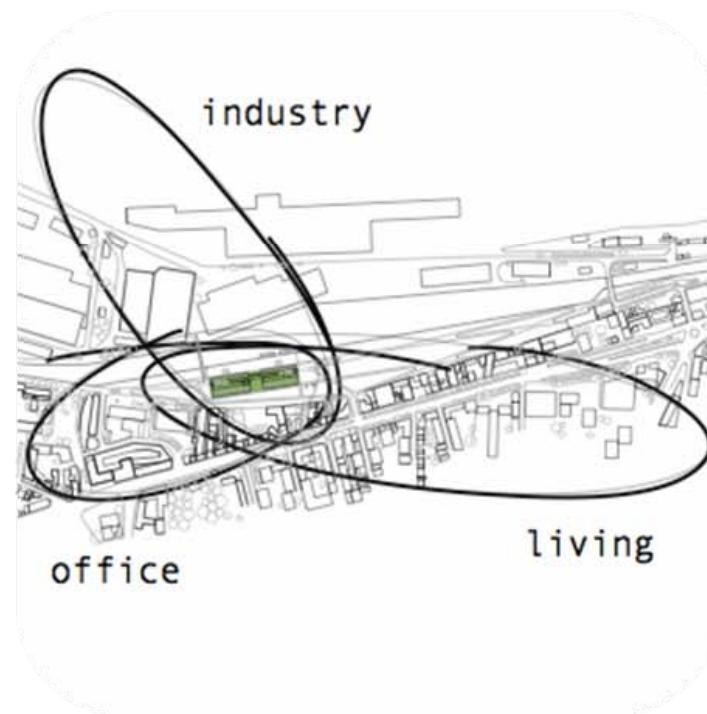
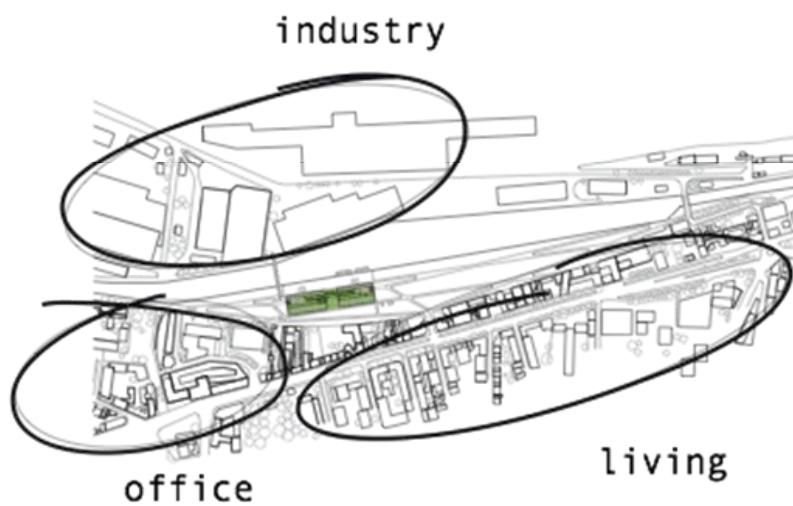




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## why a factory ?

- fostering the local economy (creating jobs)





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## why a factory ?

- using potential of given situation



train  
677 kJ/t per km



ship  
423 kJ/t per km



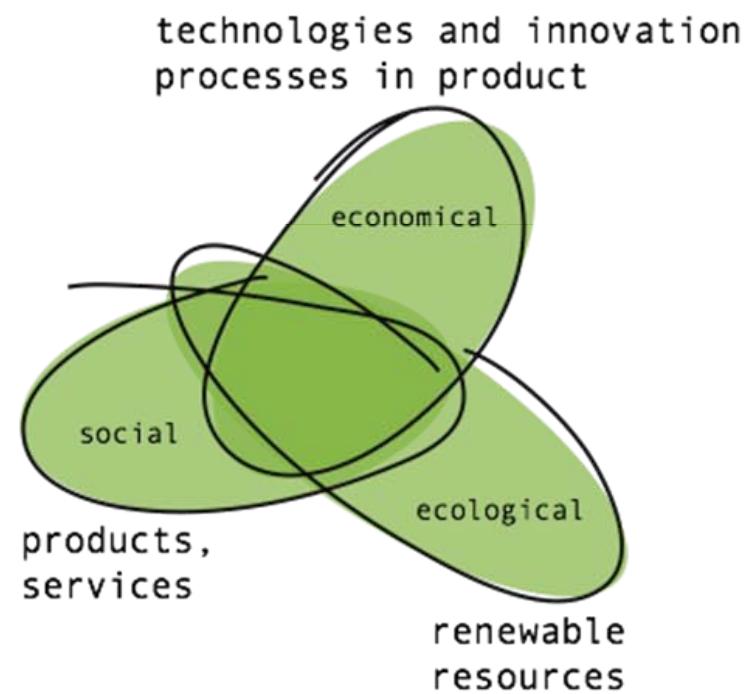
car  
2890 kJ/t per km





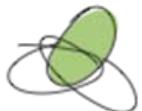
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what characterizes a factory of tomorrow ?



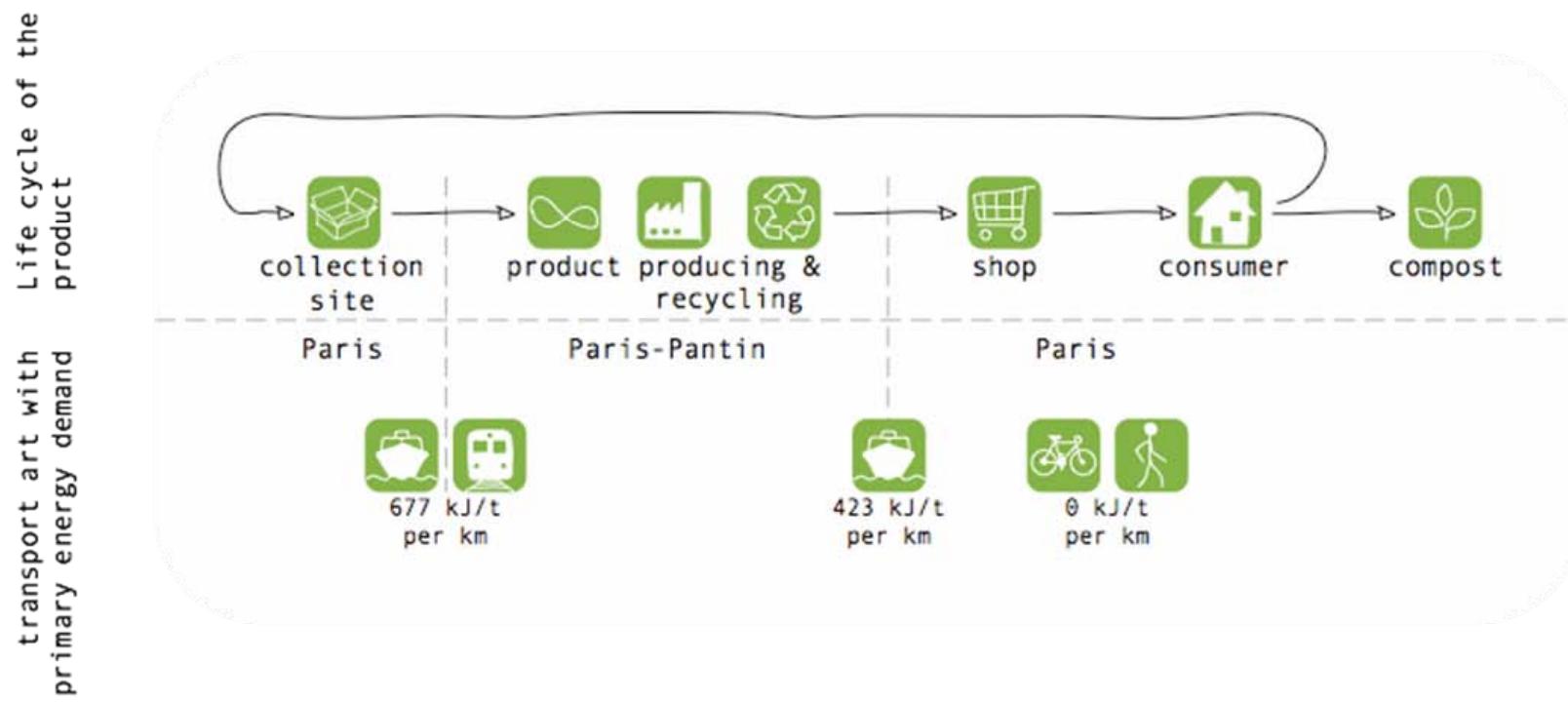


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## what characterizes a factory of tomorrow ?

- closed loop production (local production / recycling)

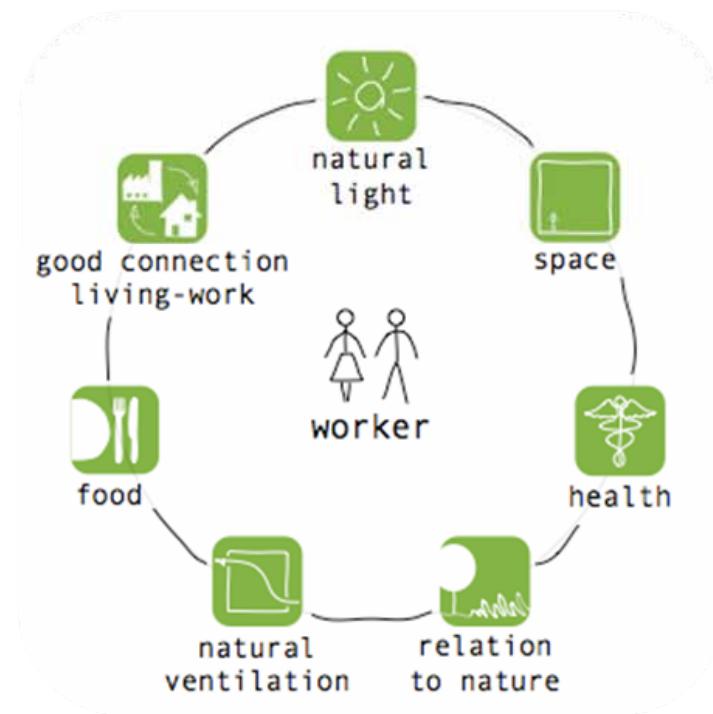




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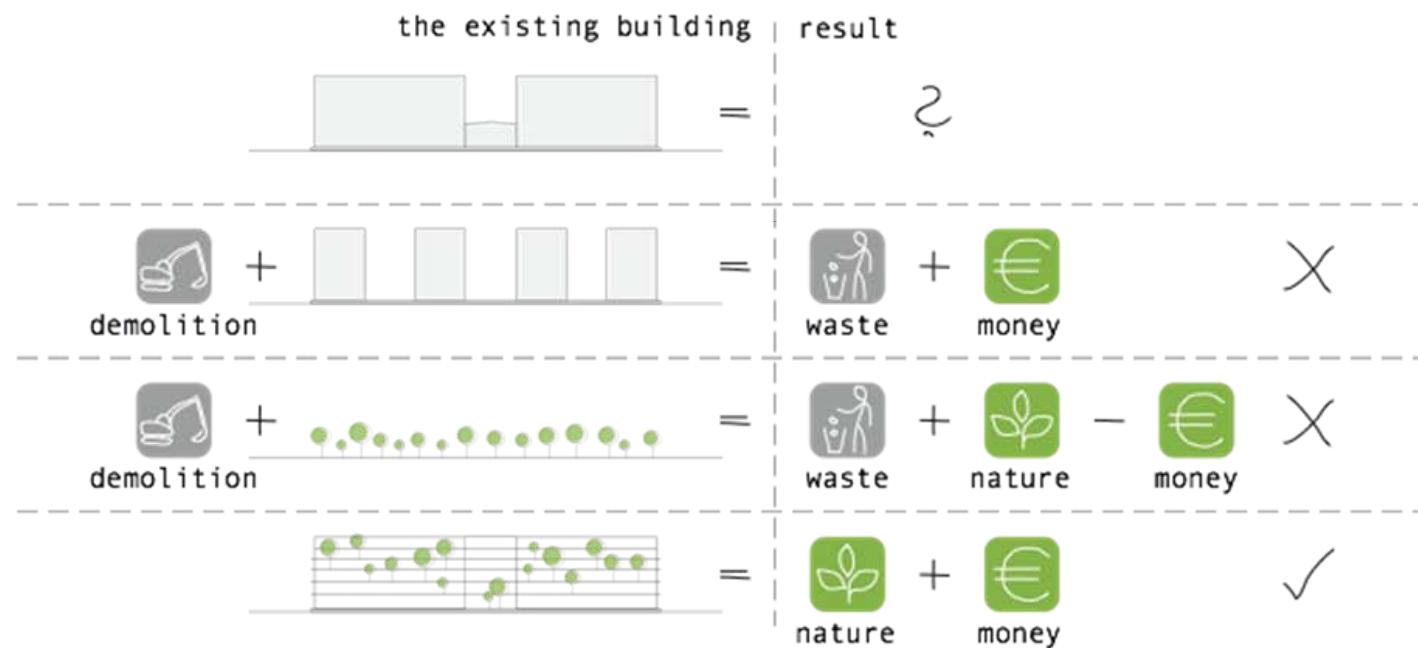
## what characterizes a factory of tomorrow ?

- employee as key stakeholder





how to deal with the existing building ?

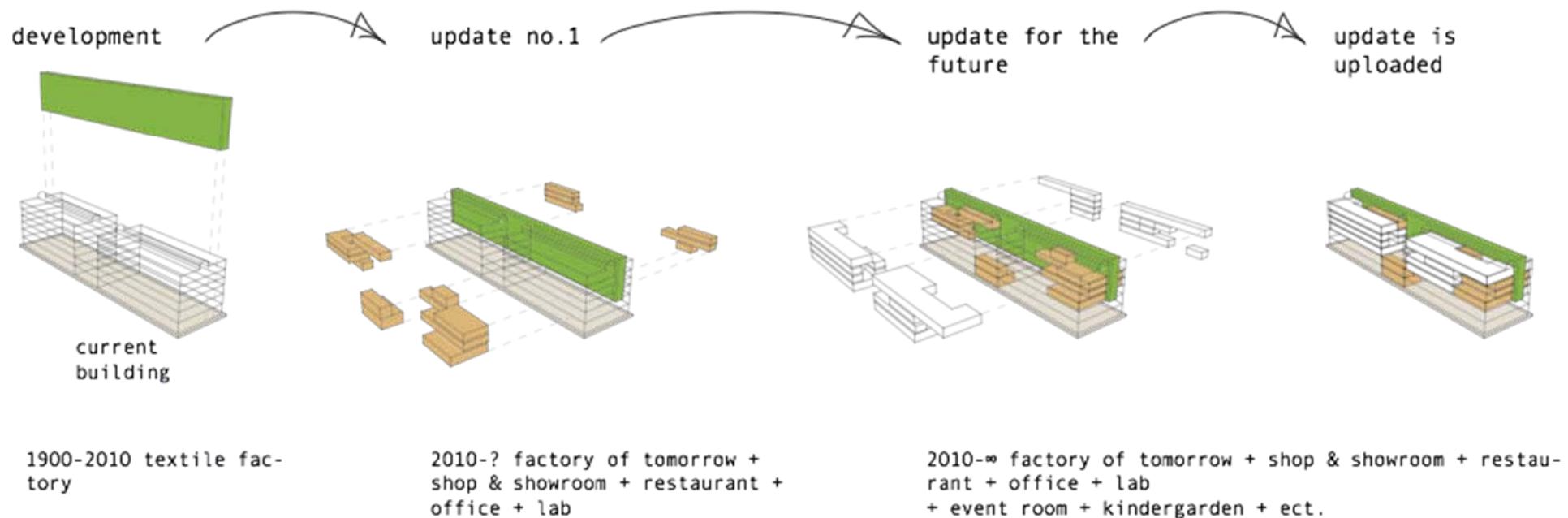




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## how to deal with the existing building ?

- not change but integrate

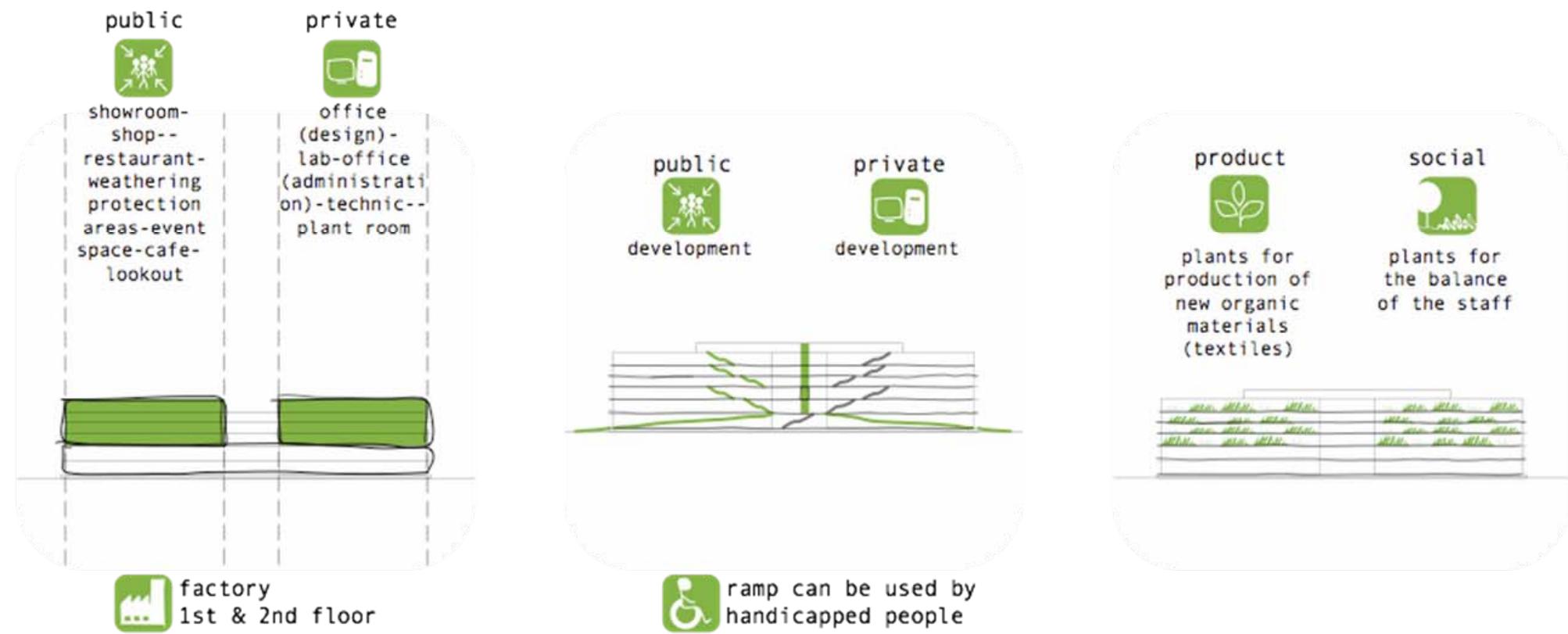




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## how to deal with the existing building ?

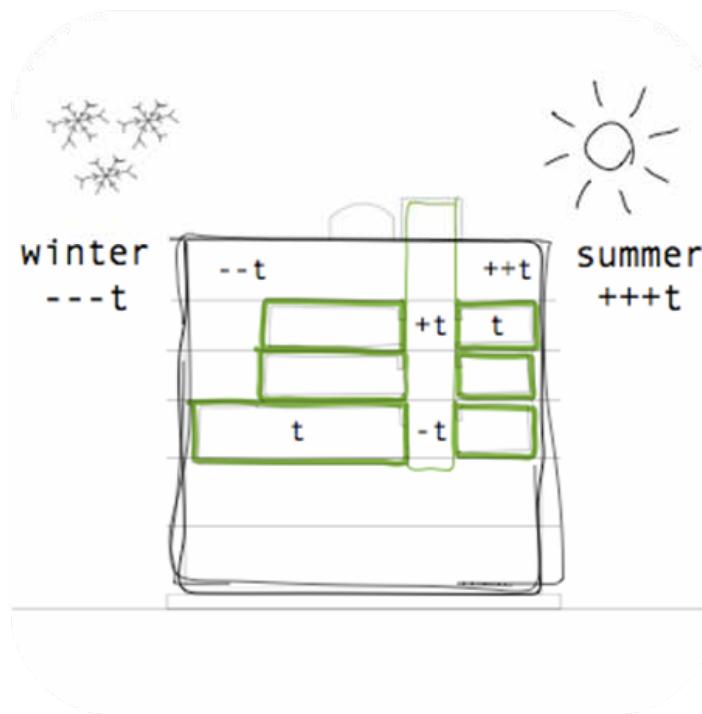
- functions, development, green working





what's sustainable ?

- climate puffer zone

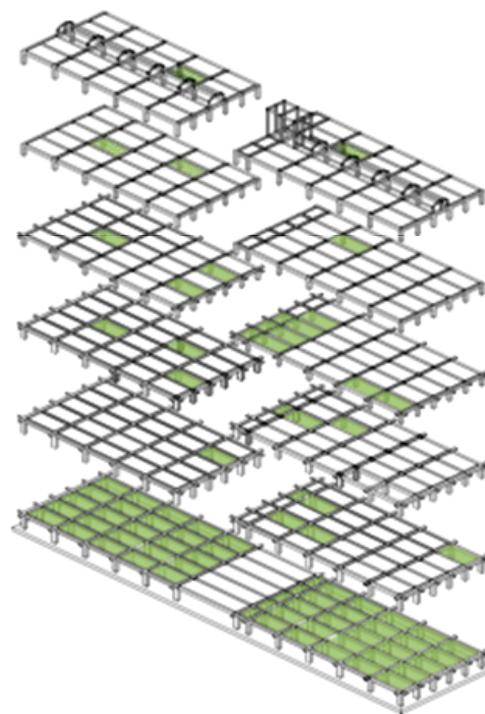




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## what's sustainable ?

- 94% of the primary construction remain
- 97% of the facade remain

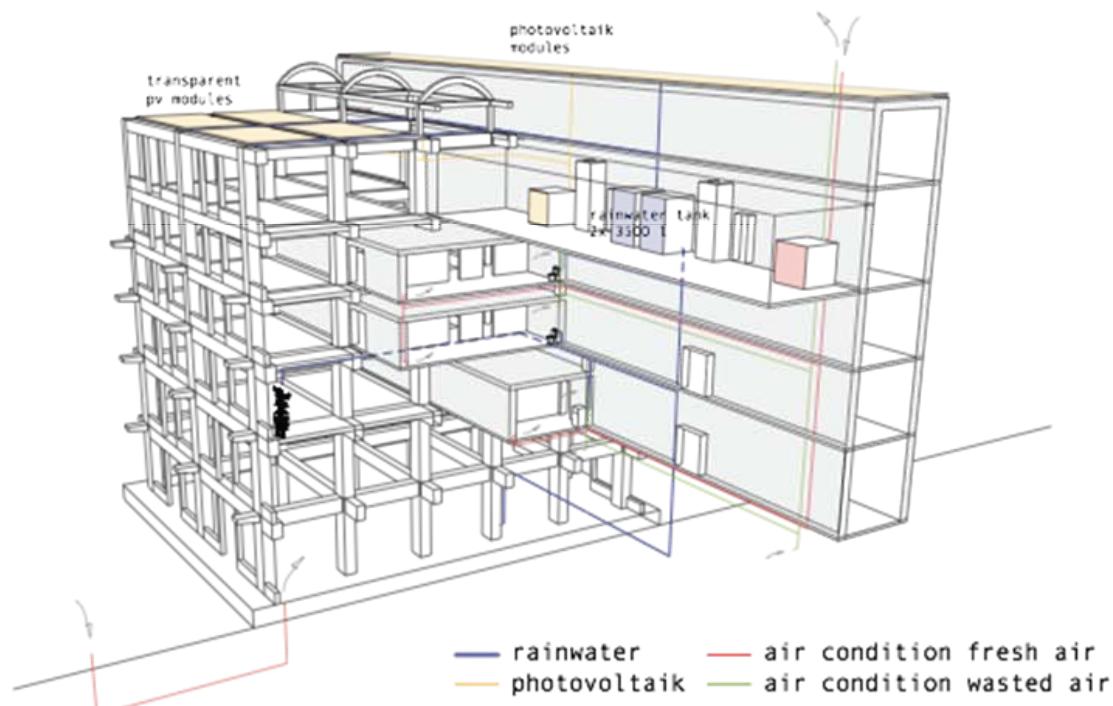




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## what's sustainable ?

- heating demand 4,7 kWh/m<sup>2</sup>
- summer efficiency the temperature is max. 26,6°C





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this is made in paris !  
thanks for your attention

