

NEGAWATTS

AS BART VAN DER MEERSSCHE CALLS THEM...

Experiences while increasing home efficiency

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elektro:camp <<2013:04>>

OUR HOME

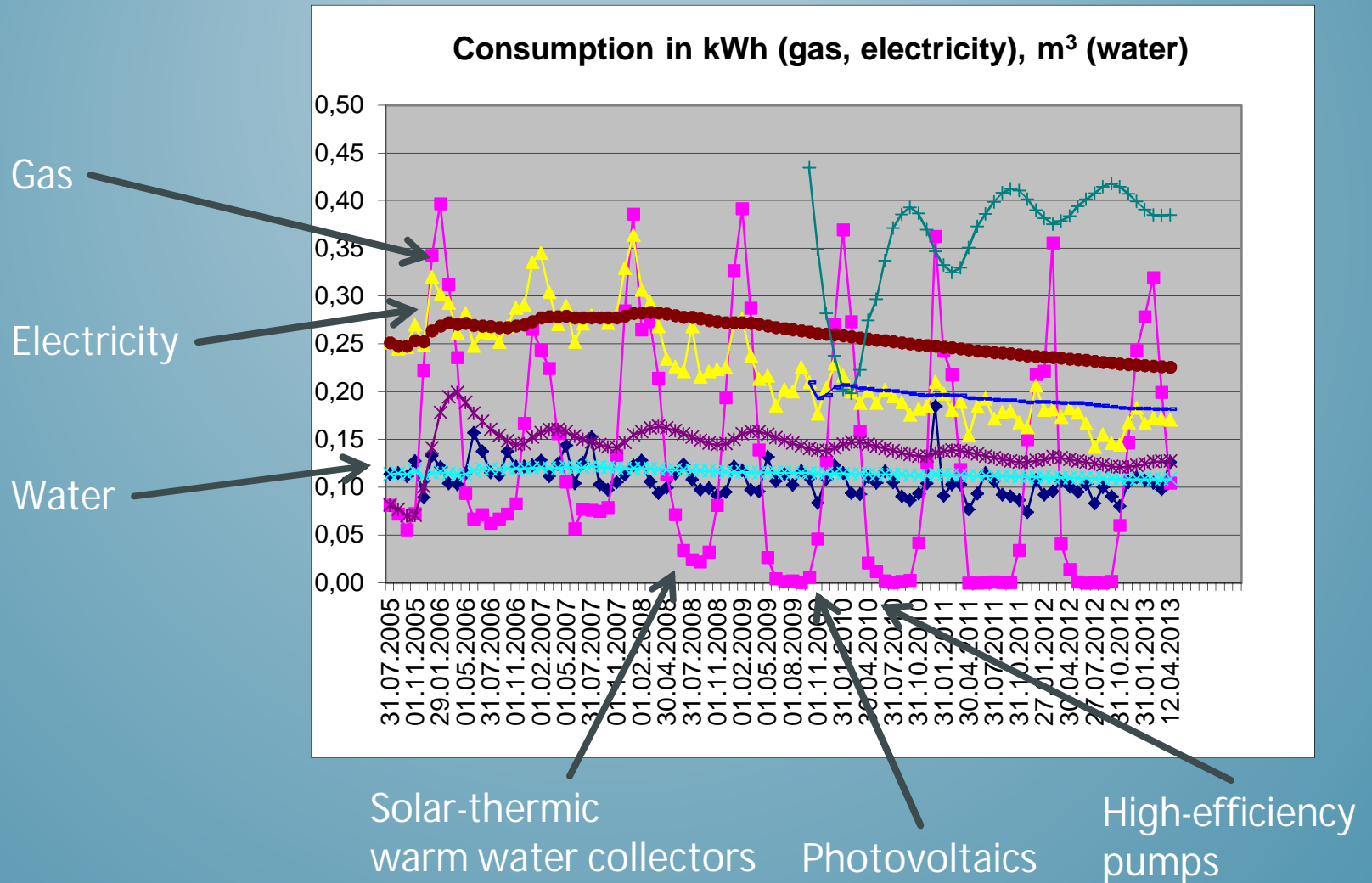
Semi-detached house in Karlsruhe
Insulated, but no „energy standard“



© Google Maps

ENERGY CONSUMPTION

Measuring period 8 years



SOLAR- THERMIC WATER HEATING

*Does it work? Yes. Is it efficient? No.
Why?
8000€ investment for 20€ monthly
savings*



Source: www.buderus.de

PHOTO- VOLTAICS

German subsidy policy. No comment.
Long term – best investment as more
electricity is produced than consumed*



*waiting for payable storage

HIGH- EFFICIENCY PUMPS

*Get rid of old >70W heating and
water pumps (don't know why others
are still sold...)*



PUMP CONTROL

Convenience function for warm water supply – temperature regulated circulation

