



Who helps the small guys

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5th International Conference for European EnergyManagers
14th - 15th May 2014, Vienna

Who helps the small guys

■ umwelt service salzburg

- WKS
- Salzburg AG
- Land Salzburg
- Lebensministerium

- Technical support for energy savings
- Paying 50% of the costs for our consultants
- Support for „Government Sponsorship“ (KPC, KLUP)

- Energy
- Mobility
- Environment
- Waste & Resources

Who helps the small guys

■ Cabinetmaker`s workshop „Fritz Schwab“ - approach



- Compressed air
- Compressed air polisher
- Electrical demand shape check
- Photovoltaics 20 kWpeak
- Thermal insulation of the buildings
- LED
- Exhaust fan management
- Change diesel-engined vehicle to electric vehicle
- Stand-by losings

Who helps the small guys

■ Cabinetmaker`s workshop Fritz Schwab - result

– Energy savings (electricity/oil)	23.700 kWh/a
– Cost savings	15.600 €/a
– One-off expense	179.000 €
– Amortisation	5 - 20 years
– Implementation	2008 - 2010

Permanent employees: 9

Who helps the small guys

■ Restaurant „Kellerwirt“ - approach

- Upgrading insulation
(reduction of thermal energy)
- Total fuel change
(from oil to biomass energy)



Who helps the small guys

■ Restaurant „Kellerwirt“ - result

– Energy savings (oil)	40.000 kWh/a
– Increase biomass (pellets)	36.000 kWh/a
– Cost savings	2914 €/a
– One-off expense	95.964 €
– Government sponsorship	22.527 €
– Implementation	2012/2013

Permanent employees: 1 (owner)

Who helps the small guys

■ „Climbing Hall Saalfelden“ - approach



- Solar thermal system
- Photovoltaics
- Concrete core activated system

Facts:

Privat climbing club (ÖAV), hall 18m high
- 1700m² climbing surface - concrete
bottom plate - timber frame construction

Who helps the small guys

■ Climbing Hall Saalfelden - result

– Costs heating energy	0
– Cost savings	5000 €/a
– No discharge of CO ₂	0
– One-off expense	0 €
– Implementation	2012

Permanent employees: 2