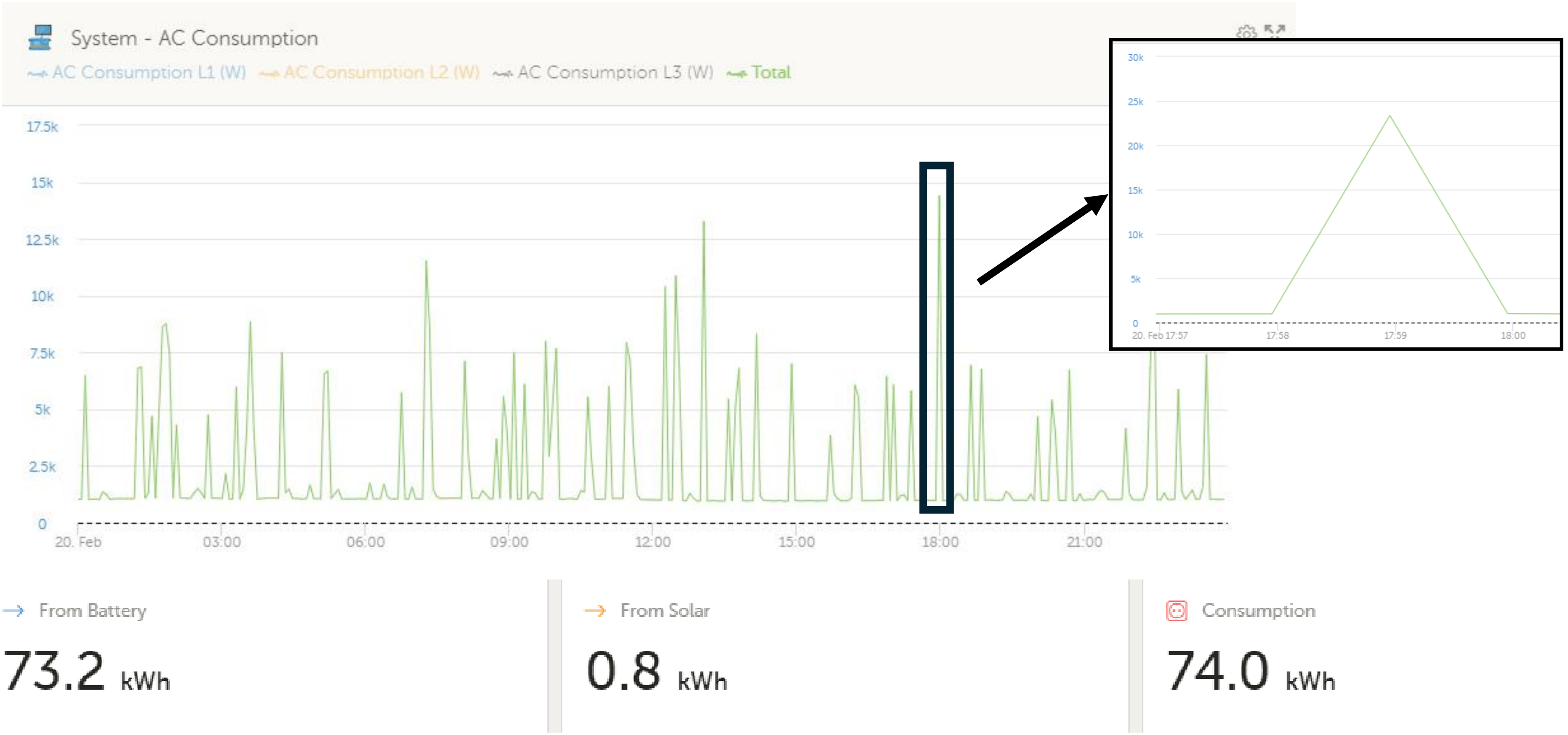
Example of case over 24 hours

- 4 MW wind turbine with 74,00 kWh of consumption
- Diesel consumption 20,84 l
- No delay on high peaks demanding power
- Peaks do not increase engine load and diesel usage



Why energy storages is efficient

- Comparing fuel consumption if not storing energy
- 74 kWh = 3,10 kW average per hour for 24 hours.
- Traditional genset of 40 kW would use a minimum of: $3{,}6\ \mathrm{l} * 24 = 86{,}40\ \mathrm{l}$

Generator Size	Approximate Diesel Fuel Consumption			
	¼ Load (litres/hr)	½ Load (litres/hr)	¾ Load (litres/hr)	Full Load (litres/hr)
40kW / 50kVA	3.6	6.2	9.0	12.0

	Fuel Consumption in l
Traditional genset would use a minimum of:	86,40
Hybridgenerator:	20,84
Difference	65,56