

ECOTEL® calculator

Fill in connection costs and tariffs

The screenshot shows the ECOTEL calculator interface with the following data tables:

Details on tariffs and volumes				
Total monthly costs for connections "fixed network to mobile network A"	Costs per minute "fixed network to mobile network A"	Cost-efficient minutes per SIM card inside the ECOTEL gateway* (if none: see comment)	Monthly basic fee for each SIM card of mobile network A (monthly)	Price per minute "mobile network A to mobile network A" (if applicable price for "cost-efficient minutes")
3.000,00 €	0,15 €	1.000	15,00 €	0,03 €

Suggested number of GSM channels				
Total volume of minutes "fixed network to mobile network A" (per month)	Number of minutes per month, requiring an additional GSM channel (approx. value: 3.000)	Number of minutes per GSM channel daily (assumption: 20 working days per month)	Calculated number of channels to cover total volume of minutes	Suggested number of channels (2, 4, 8, 12, 16, 20, 24, 28, 32)
20.000	3.000	120	6,7	8

Suggested number of SIM cards per channel				
Number of SIM cards necessary to cover the total volume of minutes with "cost-efficient" minutes	Calculated number of SIM cards per channel	Suggested number of SIM cards per channel	Suggested total number of SIM cards	Utilisation of SIM cards (minutes per month and SIM card)
20	2,5	3	24	833

Calculated amortization				
Costs per month (ECOTEL used for the total volume of minutes)	Investment per ECOTEL channel, inclusive Service (approx. value)*	Total investment in ECOTEL gateways†	Savings compared to scenario without ECOTEL gateways (per month)*	Number of months until amortization is reached‡
900,00 €	890,00 €	8.000,00 €	2.040,00 €	

Savings after 6 months: 5.040,0 €
 Savings after 12 months: 10.080,0 €
 Savings after 24 months: 42.560,0 €

Fields for your data: Unchangeable, Important results

The ECOTEL calculator suggests the matching gateway solution:

- Number of channels
- Number of SIM cards
- Investment in gateway solution
- Return on investment

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Download our pay-back ECOTEL® calculator here:
www.vierling-group.com/ecotel-calculator

Something your company can improve upon

Reduce your telephone costs with ECOTEL® GSM gateways



Are your telecommunications expenditures out of control?

Mobile radio charges are racing ahead at many companies. A mobile radio to fixed line call typically costs about 10 to 20 cents per minute nowadays¹⁾ while in-network mobile to mobile calls average only about 5 cents/minute¹⁾. Since today the calls between fixed lines and mobiles rise more and more, companies are probably spending a lot of money to do so.

The solution: ECOTEL® GSM gateways from VIERLING

ECOTEL® gateways are connected to your company's PBX to transform costly fixed line to mobile calls into more cost-effective mobile to mobile connections. The gateways have built-in radio modules and an antenna. Moreover you can use SIM cards of different providers.

The "thinking" gateway

One option is to use SIM cards with special rates (e.g. 1,000 minutes for 1 cent per minute). The ECOTEL® gateway will monitor the minute limits and automatically switch over to the next SIM card once the low-cost allotment for a given card has been used up. Even simpler is the use of SIM cards that offer flat rates.

DECT alternative

GSM gateways are also an effective DECT alternative! The connection charges are either very low or nil, your employees do not need additional DECT telephones, and there is no need for costly infrastructure at your company site.

Example calculation (all amounts in Euros)

Monthly telephone costs for fixed-mobile communication	3,000.00	= 20,000 minutes
Price per minute for fixed-mobile communication	0.15	
Alternative price per minute for mobile-mobile communication	0.05	

Required number of GSM channels in the ECOTEL® gateway	8
Required number of SIM cards in the ECOTEL® gateway	8
Monthly basic charge per SIM card	15.00

Monthly connection costs with ECOTEL®	1,360.00
Monthly savings compared to costs without ECOTEL®	1,640.00

Investment per ECOTEL® channel	800.00 ²⁾
Total hardware investment	6,400.00 ²⁾

Pay-back period	approx. 4 months ²⁾
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Savings after 6 months:	3,400.00 ²⁾
Savings after 12 months:	13,300.00 ²⁾
Savings after 24 months:	33,000.00 ²⁾

We suggest you see for yourself and plug in the numbers for your company:

Download our pay-back calculator here: www.vierling-group.com/ecotel-calculator

Further information:

<http://www.vierling-group.com>

<http://www.gsm-gateways.de>

¹⁾ depending on your tariff

²⁾ depending on the detailed price of the used gateway