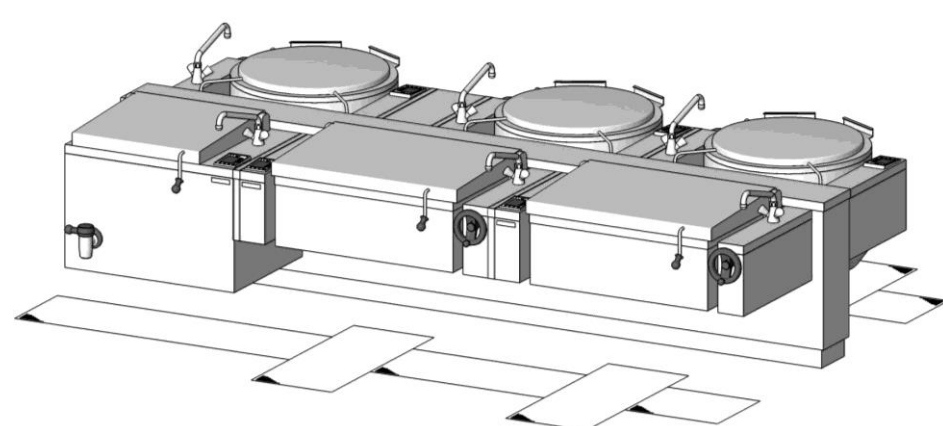# ELRO TCO (operational calculation)

ELRO MULTIFUNCTIONAL SOLUTION

Cooking island with multifunctional appliances: Parallel production
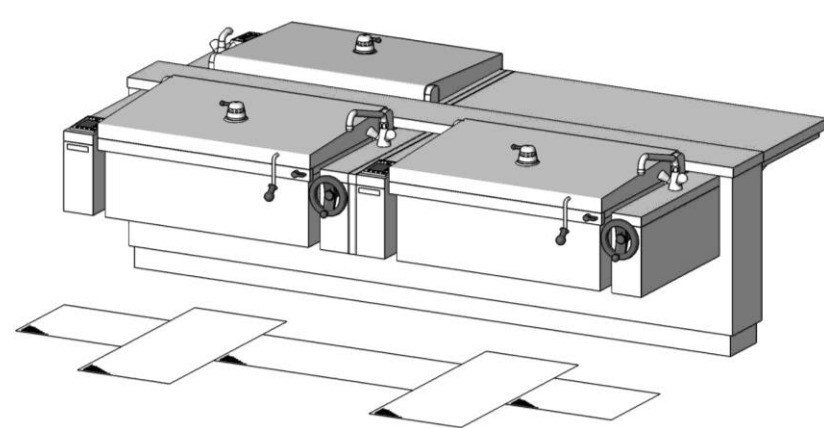
Surface exhaust hoods: **6.99 m²**
Surface floor gutter: **3.12 m²**

TRADITIONAL SOLUTION

Traditional cooking island: sequential production

Surface exhaust hoods: **9.26 m²**
Surface floor gutter: **6.09 m²**

	ELRO	Traditional	Difference
Life span appliance	20 years	12 years	+8/ **+40%**
Number of appliances	6	9	-3 / **-30%**
INVESTMENT COSTS			
Per appliance	24.000 €	19.000 €	
Total appliances	144.000 €	171.000 €	-27.000 € **-20%**
Building & infrastructure	27.429 €	41.432 €	-14.003 € **-60%**
Total	**195.455 €**	**231.453 €**	**-40.998 €**
OPERATING COSTS PER YEAR			
Depreciation investment	8.114 €	15.631 €	-7.517 € **-100%**
Maintenance costs (spare parts, service technicians)	4.320 €	0 €	4.320 €
Downtime costs appliance	17.280 €	76.950 €	-59.670 € **-350%**
Downtime costs personnel	6.240 €	23.400 €	-17.160 € **-280%**
Cleaning costs personnel/time	36.563 €	91.406 €	-54.844 € **-150%**
Energy costs (0.0776 €/kW/H)	10.976 €	21.819 €	-10.843 € **-100%**
Total	**83.493 €**	**229.206 €**	**-145.714 €**
Payback in years	**1.34**		

+40% Life span appliance
Thanks to guaranteed availability of critical spare parts of 20 years and the robust construction, which is characterized by IPX9, the life span is **40% longer**.

-30% Required appliances
Due to the multifunctionality of ELRO appliances, productivity and flexibility are increased, such that the amount of equipment needed to fulfill production needs can be reduced.

-17% Investment costs

-350% Downtime costs appliance
Downtime is reduced thanks to stable design and optimized maintenance processes

-280% Downtime costs personnel
Productivity is 3% higher compared to comparable competitor products because of its stable design. This results in higher efficiency for the kitchen personnel.

-150% Cleaning costs personnel/time
The hygienic design and IPx6 / IPx9K construction built enables efficiency savings regarding cleaning time and supplies.

-65% Operating costs

To investment in **ELRO equipment** always pays off!