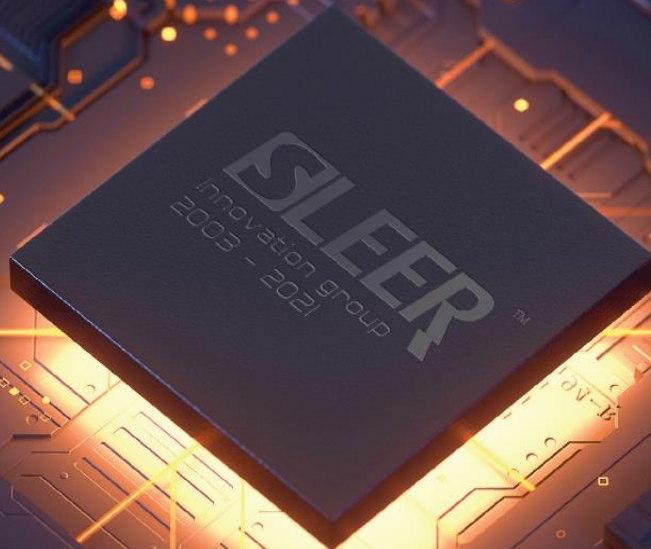


SLEERTM





Vahid Niroumand
Inventor & Innovation Director

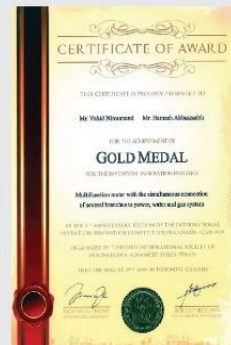
This corporation consists of electronics, software, and mechanics experts, who have formed a startup company, investigating the problems with different systems in the smartification process. We have been able to patent some inventions with reference to auto mechanics and car smartification, as well as the development of smart building electronic systems and specific software in this regard.

We hope that, cooperating with you, Sler head office gets involved in energy management field in your country in order to gain short-term and medium-term goals.

Somitra B.V. was founded in 2012 in The Netherlands. Our competitive advantages are the knowledge of doing business in the Middle East, our broad network of competent business partners in the region as well as in Europe and our entrepreneurial spirit when we face challenges and opportunities.



Sohrab Bozorg Pishani
Managing Director



GOALS

We managed to gain our four main goals through aggregation of a gas, water, and electricity meter.

- 1 - Reducing the greenhouse gases.
- 2 - Expanding the workforce in the developing countries.
- 3 - Reducing the water and natural resources extraction.
- 4 - Preserving the environment.

Our designed meter has been installed and used in residential and industrial complexes for more than 10 years. Since today, we have largely focused on defecting the eliminations and offering a product to the world which is both specialized and is able to help people and governments to prevent from wasting energy.

We have gained satisfactory results to attain these four main goals. We are capable of pursuing these goals through developing detailed plans for in the world in order to activate the national production and investigation as well as reducing the energy consumption.

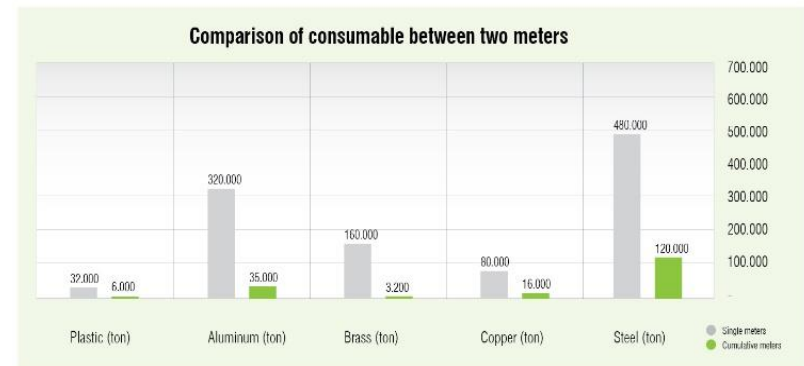
We hope to start a suitable and budget-friendly production cycle for those countries which are interested in this product.

We have prepared a chart which displays the necessary raw materials for these number of meters and the difference between the normal and aggregated meter.



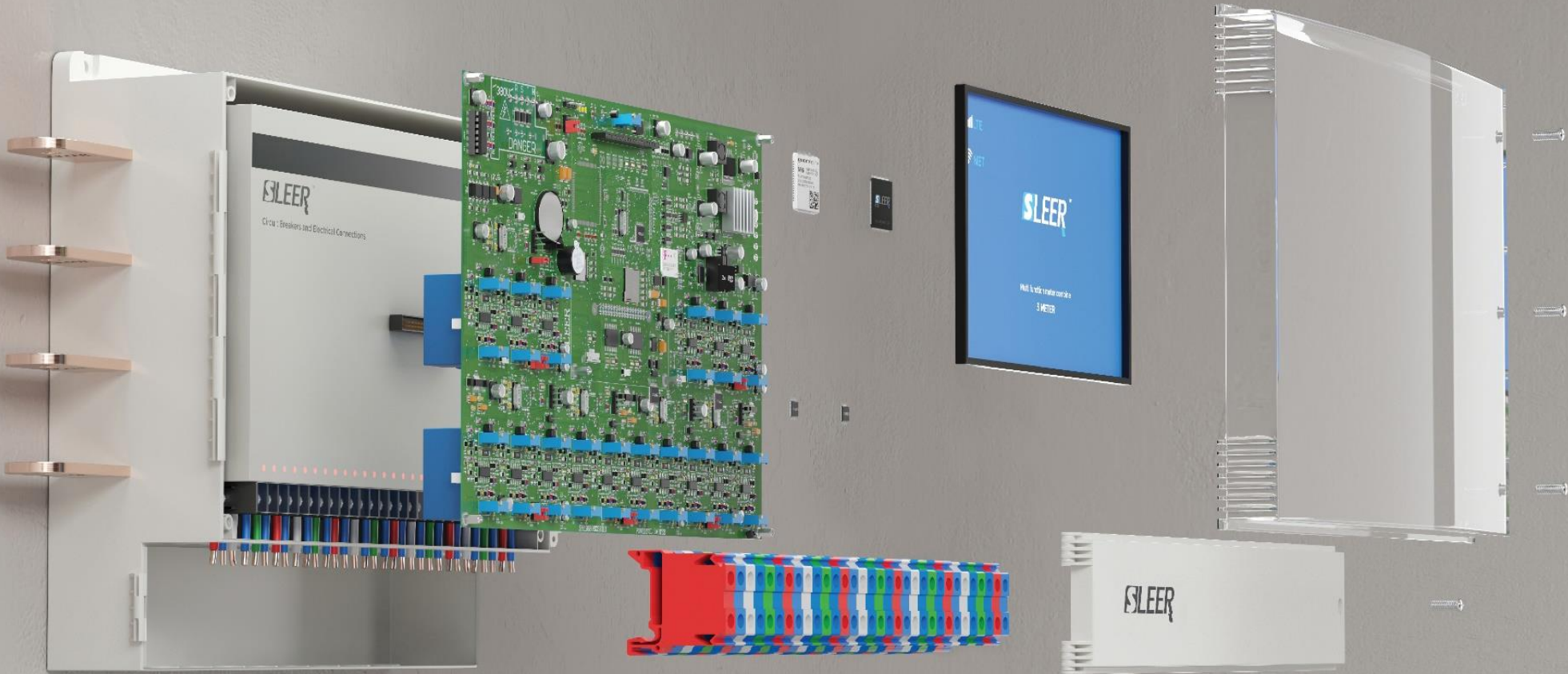
The amount of the money saved in the minerals for 10 million smart aggregated meters and its difference

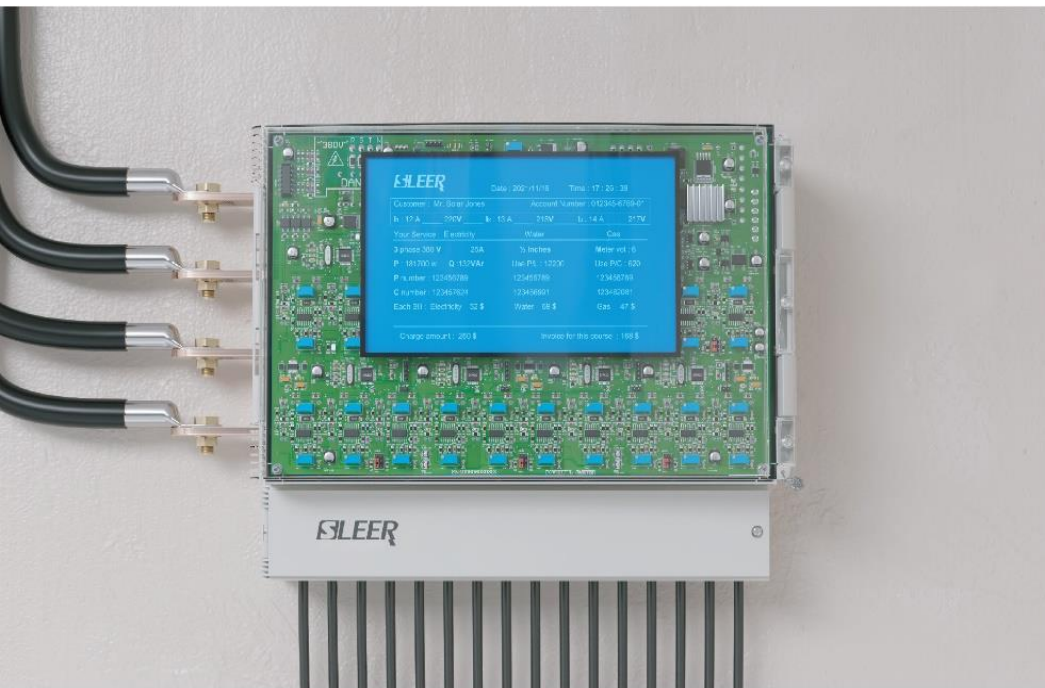
The amount of difference	Percent savings	Single meter	Cumulative meters	the unit	Description	Row
360.000	75	480.000	120.000	ton	Steel	1
64.000	80	80.000	16.000	ton	Copper	2
156.800	98	160.000	3.200	ton	Brass	3
285.000	89,06	320.000	35.000	ton	Aluminium	4
26.000	81,25	32.000	6.000	ton	Plastic	5



Electricity meter

Revolution in Energy saving





Advantages of Economical Combined Meter

- 1- 16 single-phase meters installed in a package measuring 300×300 mm
- 2- Reducing 70% of costs of production
- 3- High production efficiency
- 4- Using three phase and single phase simultaneously
- 5- Saving time on building, installing and reading
- 6- Best for installing in residential and commercial complexes
- 7- Environmentally friendly (less use of plastic and electronic equipment in production of meters)
- 8- Combined electricity, water and gas meter (each up to 16 connections)
- 9- High output equal to 800 Amp

The power, water and gas meters are integral parts of all buildings. Usually, a meter is installed for each power branch, which may occupies huge space in large buildings. On the other hand, intelligent and comprehensive control and management of all branches, such as water, gas and electricity may is not cost-effective. In this invention, intelligent control and management of water, gas and power branches are undertaken in a single unit. This can improve the quality of intelligent control and management system while making installation and maintenance processes cost-effective. Also, in the case of a power meter, this invention uses an integrated single unit to control the consumption of several electricity subscribers, which saves a lot of space, cost and enhances the quality of the control and management of the building's electricity consumption.

Electricity Combine Meter

Revolution in Energy saving



We could achieve 800 amps output from a 30 x 30 cm power meter with the usual standard dimensions. This advanced smart meter had numerous specific capabilities that no other electrical meter in the world had. In addition, using the industrial tests and experiments on this meter, we tried hard to fix the existing defects and implement it at the national level of each country and according to that nation's requirements.

We look for boosting energy consumption and figured out the governments are seeking to control energy, purchase the meters at lower prices, and apply them as substitutes for the previous ones.

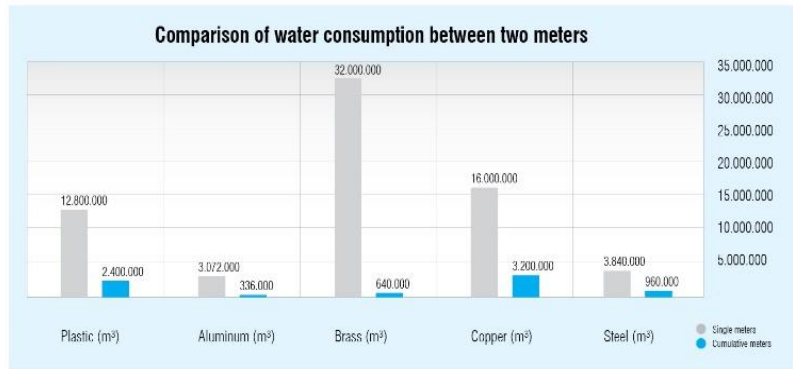
The producer seeks more production with a higher selling price in addition to offering more tech-nological options.

The consumer also seeks comprehensible information on their bills.



The amount of the money saved in the water consumption for 10 million smart aggregated meters and its difference

The amount of difference	Percent savings	Single meter	Cumulative meters	the unit	Description	Row
2.880.000	75	3.840.000	960.000	m ³	Steel	1
12.800.000	80	16.000.000	3.200.000	m ³	Copper	2
31.360.000	98	32.000.000	640.000	m ³	Brass	3
2.736.000	69,0625	3.072.000	336.000	m ³	Aluminium	4
10.400.000	81,25	12.800.000	2.400.000	m ³	Plastic	5



Sleer combined power meter can satisfy these three groups.

Since one combined meter equals 16 single-phase meters, and also fewer gas and water meters are required to be produced, according to the statistics there is a great difference between under-ground raw material extraction and the construction costs. It also notably reduces the environmental issues.

Each Sleer meter can apply 48 separate branches for water, electricity, and gas in the form of 16 separate subscribers in one meter.



Mechanical to digital conversion sensor

Since 2018, we have been exclusively concentrating on the water and gas meters and finally, we could create a converter for water and gas consumption detection. The most significant challenge for distribution companies is reading the meter information which is extremely expensive. Economically speaking, it is not possible to change the mechanical meters in a short time. Therefore, we were in search of a practical and budget-friendly solution. After two years of hard work on the meters, we could make the sensor for reading meter information which is the mechanical to digital converter sensor.

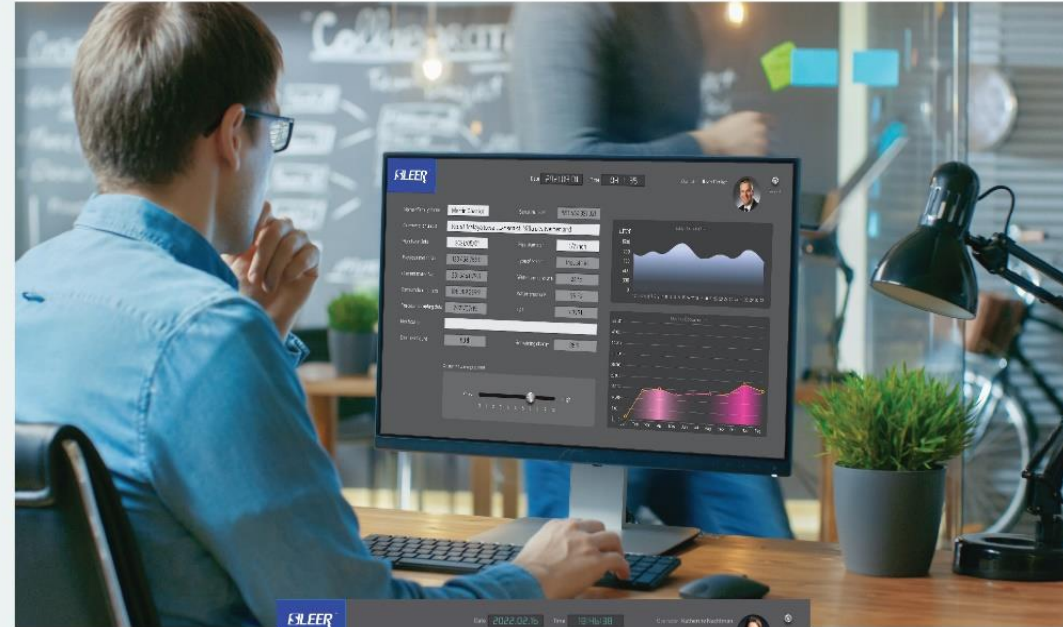
The exclusive sensor for the water and gas mechanical meters which turn them into a digital meter and reads the meter information automatically. It is possible to read the meter information through installing this sensor on the meter body. There is no need to apply some changes in the appearance of the water meter.

Advantages of Analog to Digital Water Meter Convertor (In general)

- 1- Convenient and fast installation on various types of meters (without the need for network specialist)
- 2- Light and delicate, diameter 8 cm, height 3 cm
- 3- Without the need for the user to read
- 4- Without the need for applying any changes in the current meters
- 5- The meter reading method in two completely separate ways if necessary and absolutely mechanized
- 6- Integrating all the current meters in the water system of the Netherlands even grid and digital meters

Advantages of Analog to Digital Water Meter Convertor (In terms of environment)

- 1- Environmental friendly (electromagnetic waves reduction)
- 2- Long battery life due to the low consumption of the device
- 3- Without the need for various networks of Lan – Wan- WiFi- GPRS
- 4- Warning to the water company at the end of the day for the unusual water consumption
- 5- Without the need for using the radio bandwidth



Advantages of Analog to Digital Water Meter Convertor (Software)

- 1- Data output through CSV file and numeric codes (if necessary, the data can be adopted with other protocols without the need for the changes)
- 2- Convenient and easy connection protocol between the devices and the server
- 3- Without applying any changes in the current central software of the water company
- 4- Extremely low volume of data transfer even in the form of encrypted
- 5- IP static on the device since it was produced in the factory
- 6- Sending the reading information without any time limit

OVERVIEW

Efficient

LoRaPS™ Water Meter Sensor has bidirectional, battery powered, long range transceiver with low power consumption.

Intelligent

Real-time usage data is gathered wirelessly and processed automatically. Data is accessible from your LoRaPS™ provider.

Mode & Years	Standby	Receiver	Sender	Connection time/day
3000 mA/t Rechargeable				
1	-	-	Full time = OK	8 Second
2	-	Full time = OK	-	240 Second
3	-	-	Full time = OK	4 Second
4	-	Full time = OK	-	120 Second
6	-	-	Full time = OK	2 Second
8	-	Full time = OK	-	60 Second
10	-	-	-	-
12	Full time = OK	-	-	86400 Second

APPLICATIONS

Water metering

Frequent reporting provides a detailed usage overview.

Leakage and usage detection

LoRaPS™ Water Meter Sensor can be configured to send alerts when leakage/usage is detected.

Tampering detection

Sensor sends an alert when optical and magnetic tampering is detected

FEATURES

Long range wireless data transmission	Long wavelength with high permeability
Information aggregator	Temperature and consumption
Optical detection of the water meter	Infrared (Sensor Privacy)
Magnetic detection of the water meter magnetic dial movement	Sensor Privacy
Pre-installed long-life battery	Rechargeable with one charge
Water metering	No contact
Thermometer	0 ~ 45 Degree
Backflow detection	Invert the meter
Removal detection	Sensor removal detection on the meter
Tamper alert	To office center
Leakage/usage detection	Using a probe
Configurable reporting interval	Software
Easy installation	fasten with a buckle
Secure communication	Hardware and software
Average life 8 years	*
Modbus Output	Protocol RS 485 & 232
Operating voltage of 3.7 volt	with the ability to charge the battery through USB
The ability to be connected to the current software of the water company	Through the interface software
Alarm for defining domestic use from the business one	Intelligence in the type of reading
the need for constant connection with the center and the intermediaries	1. Standby 2. receiving 3. sending
Internal memory to keep the information up to 10 years	Internal memory



*PS= privacy system



CVT GEARBOX NEW

Revolutionary in the car gearbox industry

The most critical part of the corporation's mechanics team has been its ability to achieve 95% of the design after about 10 years of work on a car project that will revolutionize the automotive industry in the CVT and automatic gearboxes. You need to know that our corporation has spent a great deal of money on designing and testing this gearbox, promising big carmakers that we will soon start a mutual collaboration with them. Also, the software group of the corporation has been able to design a unique software after 4 years of working on smart car navigation system which can prevent accident in blind spots even if the driver deliberately wants to cause an accident and we hope we can display these two outstanding products at the 2022 Specialized Auto Show.

At our corporation, the mechanical design department is committed to finding the best solution to produce an industrial product with a specific size. In this regard, our team, with excellent cooperation, has been able to showcase its high capability and provide designs of all industrial products that have the highest rate of installation and sales..



SLEERTM

www.sleer.nl