

Elster Integrated Solutions

Three media – one team

Our society requires ever-increasing amounts of energy. The economic use of this valuable commodity is, however, dependant on each individual consumer. Unlike driving a car, where the driver can influence fuel consumption instantaneously by his way of driving watching the effect on the fuel gauge, at present this facility is not available for energy consumers in the domestic sector.

While the car driver can immediately adapt his driving behaviour, thus exerting a direct influence on his fuel consumption, the domestic consumer only learns how much energy he is consuming in his flat or house once a year. This normally takes place when the meter is read and service charges invoiced. So there is no way of seeing actual consumption, to allow the consumer to develop an environmentally-aware approach at home.

With energy prices rising all the time, many people could be expected to switch over from taking a deep bath to a shower or avoid leaving windows open with the heating on, if it was possible to directly read off the potential saving.

In March 2007, the heads of state and government of the European Union reached an agreement on reducing the output of greenhouse gases with a harmful effect on the climate by 20% by 2020, from the initial value in 1990. Over the same period of time, energy consumption is to be cut by 20 percent. As of now, the EU is encouraging energy suppliers to take steps

to ensure that domestic customers receive an invoice several times in the year, to allow them to control their own energy consumption. This is to be converted into national law in accordance with the EU target by 17/05/2008. In the domestic customer sector, the expectation is that a system of monthly billing, and therefore meter reading as well, will be implemented. Equivalent developments are taking place in North America and other regions.

For a number of years now we, as a systems supplier, have been developing know-how and have been playing our part in making a significant contribution to shaping the market with specific reference to an advanced system of remote meter reading in North America. On the basis of this experience and in the knowledge that the European meter market will shortly be subjected to a massive change, we – Elster Integrated Solutions (EIS) – have also been pressing forward in Europe. We have set up a committed team of specialists to support suppliers in coming to grips with the challenge facing them. As a world leading company in the field of consumption measurement, we are looking to offer you innovative communications solutions for gas, electricity and water meters along with district heating. These can then be read off remotely by means of intelligent wireless and hard-wired networks.

Your contacts

The Elster Integrated Solutions concept does not mean that you have to change your familiar contacts, as they have re-



2 to 4 October 2007

“Metering Europe” Fair – new ways of measuring technology

Find out about: smart metering, one of our highlights of the fair; bi-directional measurements with the SM-R12; or about the topic diagnostic tool.

More information from:
www.metering-europe.com

Visit our collective Elster stand:
Reed Messe Wien GmbH
Congress Center, Messeplatz 1,
1021 Wien (Vienna)

Elster stand No. 1.40

Smart metering



ceived ongoing training and will provide you with comprehensive information about the new opportunities. We are therefore in the position to coordinate smart metering and remote meter reading activities within the Elster Group and to offer our customers specific individual solutions. Our core competencies and tradition as a manufacturer of meters for gas, water and electricity allow us to round off Elster Integrated Solutions with progressive communications solutions so that we can present suppliers with a complete solution from a single source.

System solutions

We offer an intelligent solution for meter management in the domestic customer sector. Meter services are automated and put network providers in a position to offer customers meter-related services, promoting customer loyalty in the process.

Meter readings can be called up automatically at any time – in a set sequence or ad hoc, e.g. when moving house or changing supplier – without even visiting the customer. This does away with the need for estimates produced on specific key dates (price changes). Apart from the

delivery of electricity data, it is also possible to obtain the reference data for other meters for heat, gas and water. This is provided by a customer interface (customer gateway), which communicates with the various meters through a wireless M-Bus connection.

In addition, the consumer has the possibility of querying his water, gas and electricity consumption at any time by consulting his customer display. The display contains not only technical values (e.g. kWh, m³), but also current consumption expressed in euros. This device is simple to install at a central location in the house. The effect of switching off appliances on standby, using energy-saving lamps and energy-saving domestic appliances can be seen directly in the display in cash terms.

In the age of the Internet, there are, of course, also opportunities for the consumer to search out information on energy consumption, obtain comparative values and set and adhere to his own budget. This means that the consumer exerts direct control over his energy requirement and current consumption – just like the car driver!

We offer you not only an economical system, but our partnership as well to face up to the new challenges together. We have available all the modules required for energy recording and metering, data transmission and processing for the full range of media.

This represents a significant financial aspect for yourself and also offers the advantage that you will be working with only a single point of contact: Elster.

To ensure you enjoy the best possible service, with Elster intelligent meter solutions (smart metering) you have at your side a "Competence Team" concentrating on the requirements and wishes of the individual customer. As we said: three media – one team.