



OPEN LETTER

Dear Editors, Members of Parliament, Political Parties, Self-Government and Central Government Authorities, and other People caring about innovation and progress!

I wish to invite you to an interactive dialogue. We keep hearing about the need to develop nuclear energy as a bridge to the future, but not a word is mentioned about combating the causes of the enormous current demand for energy. Thus, we keep supporting the lobby of energy producers and the huge energy consumption they are interested in maintaining. However, we can take a different road - a road based on knowledge sharing and life-long learning, which is bound to ensure real benefits and truly sustainable development.

Will you be so kind as to help me in this respect?

Appeal to the media, MPs, political parties and decision makers.

I request your support in popularising knowledge which will enable further progress based on innovative solutions.

The greatest reserves of energy on Earth lie in "energy-efficiency across the walks of life".

By putting into practice the principles of energy efficiency, we can obtain more energy than from all known fossil energy sources on our planet (coal, crude oil, gas). Consequently, we will not need nuclear energy.

1. BUILDINGS

Buildings, i.e. places where we spend most of our time, account for the largest share of energy consumption and thus also the greatest reduction potential.

Ensuring high energy efficiency of buildings is not only possible but also indispensable. Actions in this respect improve the well-being of building users and health-related conditions for residents.

It is in buildings that we use approx. 40% of all primary energy and we can reduce this rate to 4%, if we only wish to do so. This means 90% savings of primary energy in buildings, which, as mentioned above, account for 40% of overall primary energy consumption.

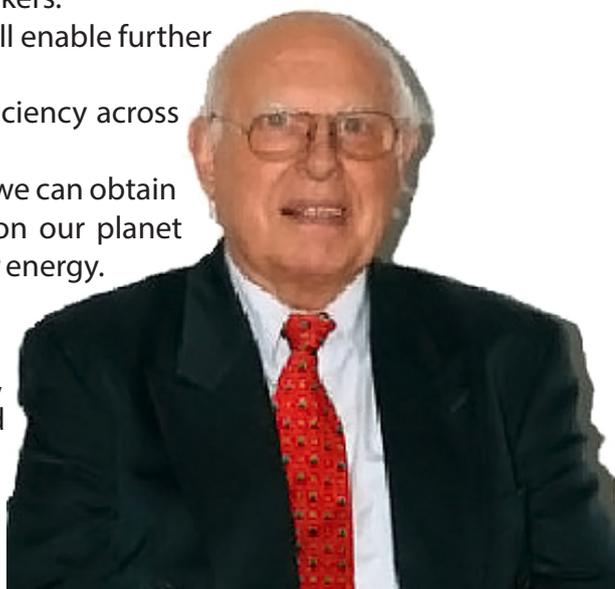
Such substantial reduction of energy consumption in buildings translates into 36% savings of the entire energy used currently in Poland and the EU.

Only when this level of savings is achieved, will it be possible to fully cover the remaining energy demand of buildings from renewable energy sources.

The solution here is to construct "passive houses" and "zero energy houses". The entire European Union has noticed this opportunity and the European Parliament has taken appropriate decisions:

- Resolution of the European Parliament of 31 January 2008 on an Action Plan for Energy Efficiency: Realising the Potential (Official Journal C 68 E, 21.3.2009, p. 18) calls on the Commission, in point 29, "to propose a binding requirement that all new buildings needing to be heated and/or cooled be constructed to passive house or equivalent non-residential standards from 2011 onwards, and a requirement to use passive heating and cooling solutions from 2008".

- Directive 2010/31/EU of the European Parliament and of the Council of 19 May 2010 on the energy performance of buildings, as recast (Official Journal L 153, 18.6.2010, p. 13) requires Member States, in Article 9 Point 1, to ensure that: "after 31 December 2018 new buildings occupied and owned by public authorities are zero-energy buildings" and that "by 31 December 2020 all new buildings are nearly zero-energy buildings".



Passive and zero-energy technologies can also be applied for thermal insulation and renovation of existing old buildings.

Buildings have a long-term impact on the consumption of energy, therefore existing buildings which undergo major overhauls should meet the strictest energy-efficiency requirements.

It should be mentioned here that modernisation of old buildings can contribute to fast and radical reduction of unemployment rates.

Germany is a very good example of the problem related to the modernisation of old buildings. In our country, efforts in this respect may be an impulse for Poland's further economic growth and unemployment rate reduction.

I encourage you to get acquainted with the following websites: www.passiv.de; www.pibp.pl; www.energieinstitut.at; www.ig-passivhaus.at.

2. TRANSPORT

Transport, which consumes approx. 30% of primary energy in the EU, is the second largest source of dormant energy.

The demand for primary energy in the sector may be reduced from 30% to 70%, which means an average rate of 50%. Consequently, 50% x 30% means a reduction to 15% of the primary energy consumed by transport. This figure may be achieved by avoiding unnecessary business and training trips and many other types of travel, which must be replaced in an effective and innovative way, i.e. by online communication, which does not require leaving home or office.

Such business communication is now the applicable standard worldwide, used by the leading companies on the market which wish to move with the time and go innovative.

Also families can meet via the Internet: parents with children, grandchildren with grandparents, etc. The solution may also help us make the idea of life-long learning a reality (e-learning).

It is all up to us.

I encourage you to learn more about the solutions presented on the following websites: www.vivicom.de and www.webex.de, www.vivicom.pl

SUMMARY

Thanks to the above solutions, over a very short period of time, we may save in total 51% (36+15) of all primary energy consumed currently in the EU, and thus also in Poland.

We owe this to our mother Earth and future generations.

Our two guiding principles should be: "the future is in progress through innovation" and "production with less energy consumption". The only obstacle on the way to such development is the powerful lobby of energy producers, capable of spending gigantic sums on securing its own on-going interests. Ironically, we all finance the lobby and pressure groups.

I am looking for persons willing to cooperate, who are not afraid of the truth (knowledge) and would be interested in acting jointly with me towards promoting innovation and progress development in Poland and Europe. Further in-depth discussion in this area requires reliable experts to join in.

I wish to stress that the solutions I presented above will additionally ensure employment for years to come and will have a positive impact on local economy development.

What we know about the future today is just a vision of we are really facing and what we cannot and do not even dare to imagine. We need time to disseminate the necessary knowledge which will yield concrete and positive results.

I wish you all success and optimism in acting towards the happiness and welfare of our and future generations. I am convinced that our joint action will be a success! It is up to us how fast the success comes.

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