

NET ENERGY FORMULATION

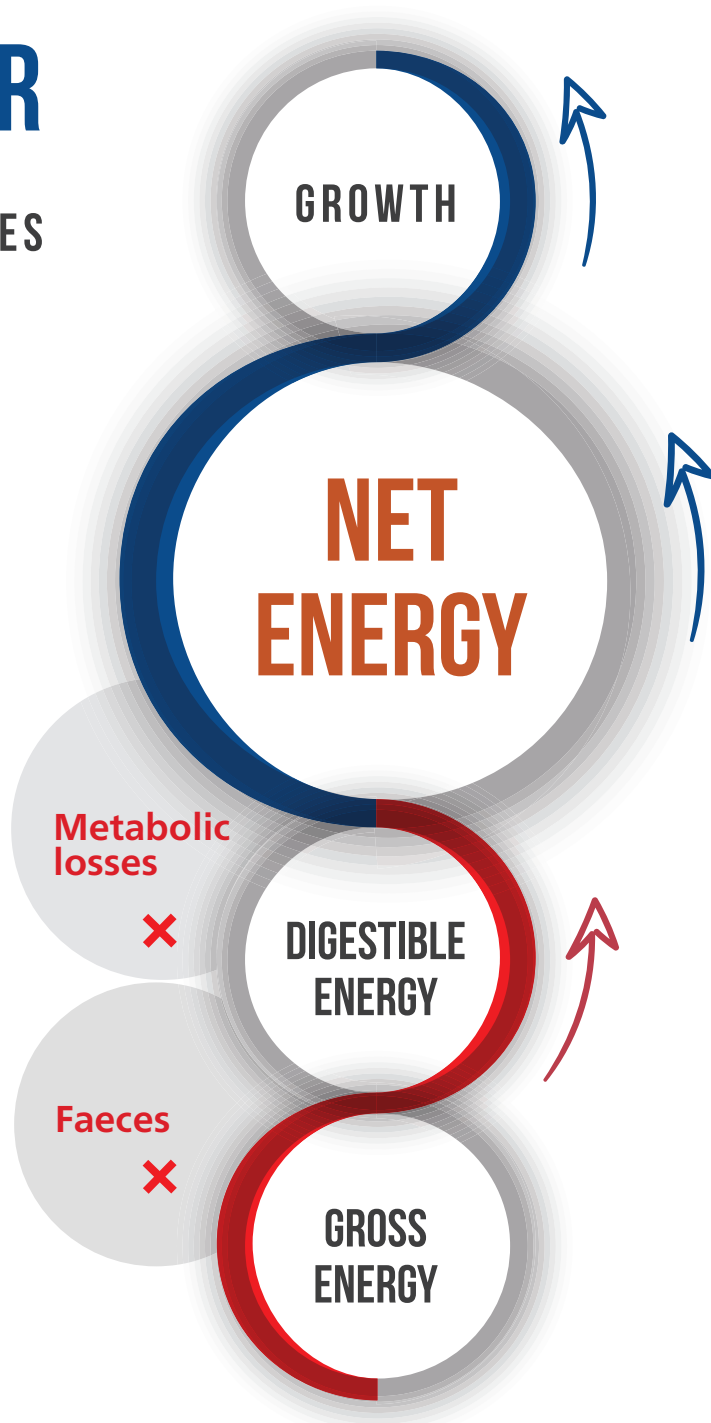
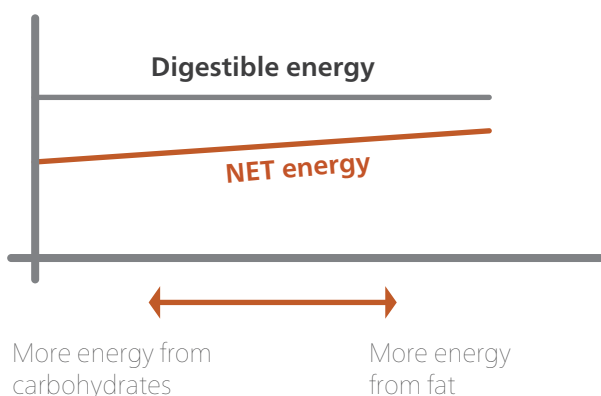
DEDICATED TO CONSTANT PERFORMANCE

ONE STEP FURTHER

- > CONSTANT NET ENERGY VALUES
- > CONSTANT PERFORMANCE

With feeds formulated on the **NET ENERGY** concept, we go one step further in order to ensure constant feed performance. We do not only neutralize the natural variation of the raw material, but also focus on the differences in efficiency of the different macronutrients.

NET ENERGY VS DIGESTIBLE ENERGY



“We believe that with the use of this **net energy** approach we can make the next step in aquafeed evaluation.”

All animal feeds contain a certain amount of energy, which is mainly derived from protein, fat and carbohydrates. This dietary energy has been used as a predictor for growth in feed formulation for years, but when a feed is eaten by the fish, some of this energy is not digested and therefore not available to the fish. Of this digestible energy, again a part is lost as the result of metabolism. The energy which is available in the end for maintenance and growth of the fish is called net energy.

Even though the digestible energy can be calculated relatively simply if the digestibility of the various feed ingredients are known, not all forms of this digestible energy (from protein, fat and carbohydrates) are being utilised with the same efficiency.

The use of a net energy evaluation system, where the different proportions of energy are taken into account, should therefore increase the accuracy with which feed can be formulated, especially in times where fishmeal is getting limited and the proportion of plant protein sources is still increasing in commercial feeds.

