

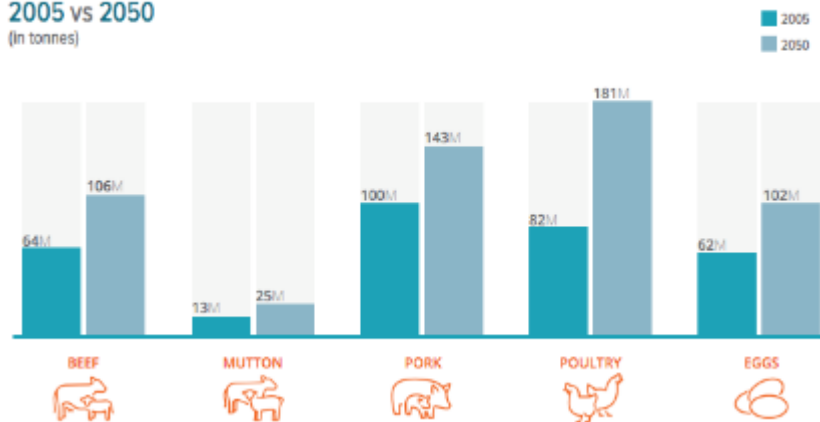
IoAHT's impact on food animal production is even more pronounced. Enabling sensor-equipped devices across the spectrum of animal health care provides large animal producers real-time health data monitoring. [Afimilk's Silent Herdsman](#) and [Dairymasters's MooMonitor](#) are examples of neck collars that tracks all cow activity including vital functions and changes in behavior. "IoAHT technology captures and records multiple attributes for each animal, for example, age, pedigree, growth rates, health, feed conversion rates, meat quality and killing out percentage," according to a [Cambridge case study](#).

The next phase of the integration of the IoAHT and robotics is well underway in the dairy industry. [Milking robots by Lely](#) allow cows to line up for automated milking multiple times per day. With transponders around their necks, [the cows get individualized service](#). Lasers scan and map the cows' underbellies, and a computer tracks each animal's milking speed.

GLOBAL DEMAND FOR MEAT

2005 vs 2050

(In tonnes)



It is perhaps unsurprising that smartphone use has boomed in recent years on ranches and farms, paralleling the growth of IoAHT. Real-time access to data allows for more timely decision making. And since world meat production is expected to more than double by 2023 according to [OECD data](#), the ability to leverage technology to increase food production

efficiency will likely become an increasingly important aspect of animal health and meat production.

As both the companion and food animal sectors of animal health continue to experience technological innovations, the impact of IoAHT will grow. Whether by personalizing veterinary care or improving livestock efficiency, the long-term effects of IoAHT could revolutionize treatment across the animal health spectrum.

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