

# GSI PATHWAYS TO THE FUTURE: INNOVATION

As we look to the future of food production, one of the questions we repeatedly face is how to produce more with less. Continuous improvements are necessary, but to create true transformation in our approach to food production, innovation is vital. Innovation means using the knowledge we have to inspire change: to take a fresh look at our thinking to overcome barriers, enabling us to visualize all possibilities.

## GSI'S TOP 5 EXAMPLES OF INNOVATION IN PRACTICE:

### 1. FEED CONVERSION

Innovations in feed ingredients and feeding technology have meant the sector has improved its feed conversion ratio to an average of 1.2-1.5:1, making farmed salmon one of the most efficient protein sources available

### 2. FEED INGREDIENTS

Working with partners to identify novel sources of non-marine omega-3-rich feed sources and help them scale up at an accelerated rate

### 3. TECHNOLOGICAL ADVANCEMENTS

From the design of our pens to the way we monitor our fish through the use of high-tech cameras, we are continuously looking for new methods for smarter farm management

### 4. FISH HEALTH

R&D is at the core of our operations, and to ensure optimal fish health we are always looking at new methods of both medicinal and non-medicinal approaches to biosecurity management

### 5. CIRCULAR ECONOMY

Turning waste into resource can improve our efficiency and reduce our environmental impact. For example, we are looking to partner with biogas facilities to turn waste into energy

Reconciling the need for increasing protein production while reducing environmental impact is a challenge facing the entire food sector. A step-change in thinking and new innovative approaches are needed if we are to meet growing protein demands in a responsible manner. Greater innovation, and greater diffusion of innovation, will play an important role in realizing our goals much faster and at a greater scale than would otherwise be possible.

RESPONSIBILITY

INNOVATION

COLLABORATION

TRANSPARENCY



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