

Revolutionizing angling: The evolution of fishing technology

Sudheer Pogiri*

Department of Aquaculture, Animalia University, Tamil Nadu, India

INTRODUCTION

In the vast realm of outdoor recreational activities, fishing has remained a timeless pursuit, deeply ingrained in human culture for centuries. However, the landscape of angling has undergone a remarkable transformation in recent years, thanks to cutting-edge advancements in fishing technology. From humble beginnings with basic rods and reels to the sophisticated gadgets of today, the fishing experience has evolved into a high-tech adventure that combines tradition with innovation.

DESCRIPTION

Smart rods and reels

The backbone of any angler's arsenal, fishing rods and reels have seen significant technological upgrades. Smart rods equipped with sensors and integrated Bluetooth technology have emerged, providing real-time data on crucial metrics like water temperature, depth, and fish activity. These intelligent rods not only enhance the angler's understanding of the environment but also contribute to more informed decision-making. Accompanying these smart rods are advanced reels with programmable settings, allowing anglers to fine-tune drag resistance and line retrieval speed with precision. This level of customization ensures a tailored approach to different fishing conditions, providing a distinct advantage to those who embrace the latest in reel technology.

GPS fish finders

Gone are the days of relying solely on instinct and luck to find the perfect fishing spot. Modern anglers leverage GPS fish finders to navigate water bodies with unprecedented accuracy. These devices employ GPS technology, often combined with sonar capabilities, to map the underwater topography and locate schools of fish. With detailed charts and real-time updates, GPS fish finders enable anglers to optimize their time on the water, increasing the likelihood of a successful catch. Additionally, some models integrate weather forecasting, helping anglers anticipate changes in conditions and plan their fishing excursions accordingly.

Drones in angling

The integration of drones into the fishing experience has revolutionized the way anglers scout and approach their targets. Equipped with high-resolution cameras,

Address for correspondence:

Sudheer Pogiri
Department of Aquaculture, Animalia University,
Tamil Nadu, India
E-mail: posirisudheer123@gmail.com

Word count: 897 Tables: 00 Figures: 00 References: 00

Received: 13.11.2023, Manuscript No. IPFS-23-14369;
Editor assigned: 17.11.2023, PreQC No. P-14369;
Reviewed: 01.12.2023, QC No. Q-14369;
Revised: 18.12.2023, Manuscript No. R-14369;
Published: 26.12.2023, Invoice No. J-14369

fishing drones provide a bird's-eye view of the water, allowing anglers to identify potential hotspots and assess the movement of fish schools. Beyond reconnaissance, drones are now being used to drop bait precisely in desired locations, extending the reach of anglers and enabling them to explore previously inaccessible areas. This technological leap not only enhances the efficiency of angling but also opens up new possibilities for adventurous anglers seeking untouched fishing grounds.

Underwater cameras

Curiosity about the underwater world has driven the development of underwater cameras specifically designed for fishing applications. These cameras can be attached to fishing lines or submerged independently, providing live footage of underwater activity. Anglers gain valuable insights into the behavior of fish, allowing them to adjust their techniques in real-time. Underwater cameras have become indispensable tools for ice fishing, where visibility is limited. By offering a direct window into the aquatic realm, these cameras elevate the angling experience and contribute to a deeper understanding of fish behavior in various environments.

Electric trolling motors

Traditional trolling motors have evolved into electric powerhouses, offering quieter operation, increased efficiency, and advanced control features. Electric trolling motors are now equipped with GPS-guided navigation, allowing anglers to maintain precise boat positioning without manual intervention. This level of control is particularly advantageous when fishing in currents or windy conditions. Furthermore, some electric trolling motors integrate wireless connectivity, enabling anglers to control the motor remotely using smartphone apps. This hands-free approach enhances the overall fishing

experience, allowing anglers to focus on the act of fishing rather than managing boat propulsion.

Cheena vala-are shore operated elevate nets from India. Huge mechanical contrivances hold out horizontal nets with diameters of twenty metres or extra. The nets are dipped into the water and raised once more, but otherwise cannot be moved. Its name way "Chinese fishing internet", though it originates from Southeast Asia. Salambaw a kind of conventional raft or barge-operated huge carry nets from the Philippines. It utilizes a tall upright pole or a tower shape (timba) round 15 to twenty m (forty nine to 66 toes) in height. At the top of the pole are huge curving spars crossed with each other. A massive rectangular net is hooked up to the ends of those spars. The pole acts as a crane, it could be tilted to submerge the net the use of a weighted lever mechanism. The operator either pushes or pulls the lever, or climbs on it to bring it down with their body weight, as a result elevating the pole. A version of the salambaw operated from big outrigger boats is known as basnigan.

CONCLUSION

As we celebrate the one-year milestone of fishing technology's ever-evolving journey, it is clear that the marriage of tradition and innovation has enriched the angling experience. From smart rods and GPS fish finders to drones and underwater cameras, the technological landscape of fishing continues to expand, offering anglers new dimensions of exploration and success. While some may argue that technology threatens the authenticity of the sport, it is essential to recognize that these advancements empower anglers with knowledge, efficiency, and the ability to connect with the natural world in unprecedented ways. As we look ahead, the future promises even more exciting developments, ensuring that fishing remains a dynamic and thrilling pursuit for generations to come.