

of watts, and the newest JT electric product in this respect is a 1000-watt light, that only consumes the power of an 875-watt light.

“Although we are pioneers on the market regarding fishfarm lighting, we are continually working to improve these lights. Our fishfarm lights have performed very well; they are easy to mount, reliable and easy to service”.

Mr Gregersen says JT electric is currently working on developing a fishfarm light they have called Oceanlite XPV 875 Eco, which produces a light of 1000 watts. The first of these lights will be delivered to Norway this summer.

“The technology is basically the same, but due the fact that we are in close cooperation with a producer of light bulbs and spools and who also knows our requirements, we receive energy saving components, making it possible for us to produce energy saving fishfarm lighting”.

The Sales and Marketing Manager says it is very important for the fishfarmer to conserve energy.

“Very often the lights are powered by a generator using fuel oil. In other instances electricity has to be bought. Not least now, as cod-farming is being developed, this requirement is particularly demanding. Cod farmers use app. ten-times the amount of lighting in a pen the same size as a salmon or trout pen”.

He points out that as Norwegians have begun farming more and more quantities of cod, the demand for subsea lighting has increased substantially. With these new lights the direct energy saving is app. 12,5%. The life span of the bulb is 2 – 3 times longer and the amount of light produced throughout the bulb's life span is considerably higher compared to other lights on the market. These are all advantages, which are very important to achieve a cheaper operational cost and get more for your money.

“We are expecting large orders from Norway and Scotland for these lights. We have been selling these

lights to Chile for many years, but the fishfarming industry there is currently in a recession. However, we have now received new orders from Chile”, he says.

ControlAll

JT electric does not only produce TrawlCam for the fishing fleet and underwater lighting for the fishfarming industry. The company has also developed a multi-control system, named ControlAll, which is a common name for a wireless communications system intended for fishfarms. This is a so-called “infrastructure” where you can link many various sensors and auxiliary equipment to this dual-way wireless multi-control system.

“Firstly, it is possible to see pictures from either surface- or underwater cameras. These can be manipulated from a computer by a joystick or mouse,



JT electric is working on developing an underwater light, which they have called Oceanlite XPV875 Eco. This light produces a light of 1000 watts, but only consumes 875 watts

by a very advanced software programme, which JT electric has developed specifically for this purpose. Pictures are sent via a ControlAll electronic box, which is mounted on each pen to the feeding platform. This system is particularly intended to observe the fish in the pens and the farm in general, both subsea and on the surface. You can monitor developments within the pen, how the fish are eating, if the feeding is satisfactory, etc.”

Mr Gregersen points out that the software programme, which has specifically been developed for the ControlAll multi-control system provides the fishfarmer with an immediate and excellent overview of the situation in each pen. All the sensors are logged and the figures recorded, which makes it possible to return to a specific incident/period for each pen – every

minute, every hour, day, week, month or over an extended period. Only imagination limits what can be tied into this system.

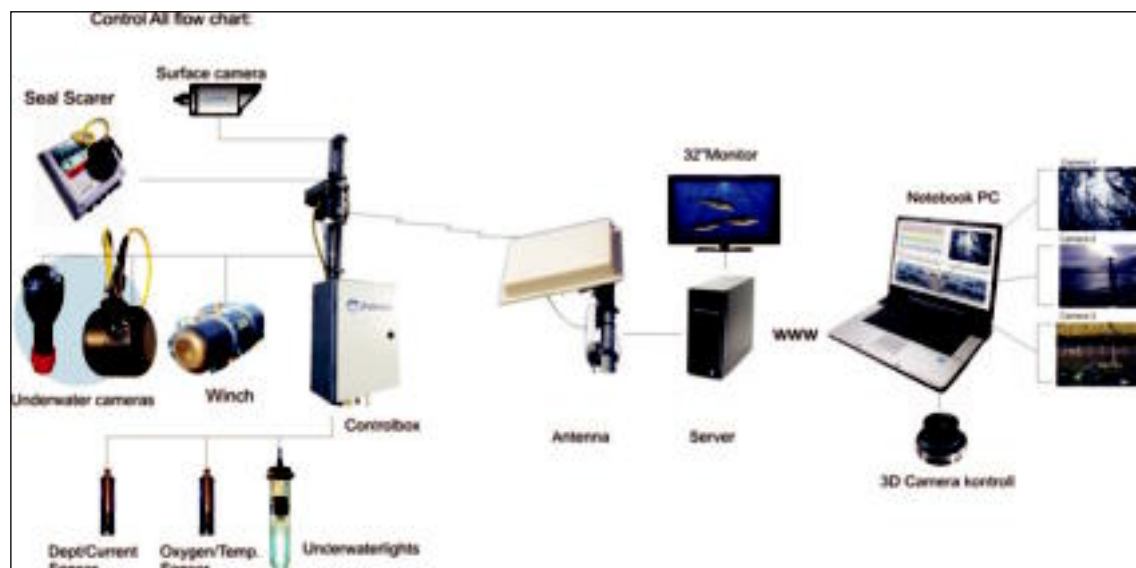
“Apart from the previously mentioned possibilities, heat- and oxygen- bio-mass- depth and tide sensors can be tied into the system as well as a seal deterrent.

It is also possible to deliver power to underwater lighting and control the light – according to the time of year and time of day, through the ControlAll system”.

Although ControlAll is a new system, the fishfarm Luna in Sørvág, has already acquired the system and JT electric is currently in negotiations with several foreign companies regarding this system.

“If you have an internet connection and a computer you could as a fishfarmer in principal be located far away and monitor exactly what is happening at your fishfarm. You can monitor the situation from your boat, from the head office or from your residence, exactly what the situation is in your pens and the area surrounding the fishfarm”, says Mr Gregersen.

Apart from being the Sales and Marketing Manager for JT electric, Mr Sofus Gregersen is also responsible for product developments at this exciting company in Kambsdali.



ControlAll is a multi-control system and a wireless communications solution for fishfarms, built around a very advanced computer programme, which JT electric has developed specifically for this purpose

Oceanlite - til alivinnuna, smoltstöðir og alibrúk. Endamálið við hesum ljósum er at seinka kynsbúning hjá alifiski og samstundis at fremja vøkstur.

Føroyskir laksa-og síla-alarar hava brúkt hesi ljós í mong ár, og her hevur fyrirtøkan á Kambsdali verið at kalla einsamøll á føroyska marknaðinum.

Aliljósini verða framleidd í ymiskari styrki, og tað nýggjast hjá JT electric í hesum sambandi er eitt aliljós, sum er 1000 watt, men bert brúkar streym sum eitt ljós, ið er 875 watt.

Hóast vit eru pionerar á marknaðinum við aliljós, hava vit alla tíðina arbeitt við at gera hesi ljós enn betri. Aliljósini hjá okkum hava roynst sera væl; tey eru løtt at montera, tey eru driftsikkur, og tey eru løtt at servisera, sum hann tekur til.

Sofus Gregersen sigur, at

JT electric í lötuni arbeiðir við at menna eitt aliljós, sum tey rópa Oceanlite XPV875 Eco, ið gevur eina ljósstyrki á 1000 watt. Fyrstu ljósini av hesum slag verða latin til Noregs nú í summar.

Tøknin er hin sama sum áður, men við tað, at vit eru í tættum samstarvi við framleiðara av spolum og perum, ið kennir okkara tørv, fáa vit orkusparandi komponentar, ið gera tað møguligt hjá okkum at framleiða orkusparandi aliljós.

Sølu-og marknaðarleiðarin visir á, at tað hevur stóran týdning fyri alarar at spara orku.

Ofta eru ljósini drivin við generatori, sum brúkar olju, og í aðrar mátar er talan um keyptan streym frá veitarum. Ikki minst nú toskaalingin mennist, er hesin tørvur serliga stórur. Toskaalarar brúka nevniliga 10 ferðir so nógv ljós til somu stødd av aliríngum

sum til aling av eitt nú laksi.

Hann visir á, at so hvørt, sum norðmenn eru farnir at ala størri og størri nøgdir av toski, er eftirspurningurin eftir aliljós, sum er eitt felagsheiti fyri eina tráðleysa samskiftisloyn á alibrúkum. Hetta er ein sonevndur “infrastructure”, har tú kanst hekta nógv ymiskar sensorar og útgerð uppá hesa 2-vegis tráðleysu multistýrskipan.

Í fyrsta lagi er talan um at siggja myndir frá antin yvirflatukameraum ella undirvatns-kameraum. Hesi kunnu stýrast frá teldu við joystykki ella mús við einum sera framkomnum forriti, sum JT hevur ment til endamálið. Myndirnar verða sendar umvegis eina “ControlAll” elektronikkbox, sum er á hvørjum aliríngi, til fóðurflaka. Henda skipan er serliga ætlað til at halda eyguni við fiski í aliríngum og við alibrúk í síni heild, bæði undir vatni og omaná vatninum. Tú kanst fylgja við

ControlAll

JT electric ger ikki bara Trawl-

Cam til fiskiskipaflotan og undirvatnsljós til alivinnuna. Fyrirtøkan hevur eisini ment eina multistýrskipan, nevnd ControlAll, sum er eitt felagsheiti fyri eina tráðleysa samskiftisloyn á alibrúkum. Hetta er ein sonevndur “infrastructure”, har tú kanst hekta nógv ymiskar sensorar og útgerð uppá hesa 2-vegis tráðleysu multistýrskipan.

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gongdini í alirínginum, hvussu fiskurin etur, og um fòðringin gongur, sum hon skal.

Sofus visir á, at forritið, ið er ment til ControlAll-multistýrskipanina gevur alaranum eitt framúr gott yvirblik yvir støðuna í hvørjum einstøkum aliríngi her og nú. Eisini verða allir sensorar laggaðir, og tøluni goymd, soleiðis at farast kann aftur í tíðina at siggja støðuna í hvørjum ringi – fyri hvønn minutt, hvønn tíma ella dag, vikur ella mánað ella yvir eitt longri tíðarskeið.

Taðersleiðisbarahugflogið, sum setir avmarkingarnar fyri, hvat kann tengjast uppá hesa skipan.

Umframt nevndu møguleikar, kunnu eitt nú hita-og oxygen-sensorar, biomassamátarar, dýbdarmátarar og streymmátarar, takast við upp í skipanina, eins kóparæðari eisini kann setast til hana.

Eisini er møguligt at veita undirvatnsljósum streym og at tíðarstýra ljósunum - alt eftir árstíð og tíð á døgnum umvegis ControlAll skipanina.

Hóast ControlAll er ein nýggj skipan, hevur alifyrirtøkan Luna í Sørvági longu útvegað sær eina slíka, og í lötuni er JT electric í samráðingum við fleiri útlendsk feløg um skipanir av hesum slag.

Hevur tú netsamband og teldu, kanst tú sum alari í prinsippinum sita langt burturi í heimi og siggja, hvat gongur fyri seg á tínum alibrúki. Annars kanst tú fylgja við í bátinum, á høvuðsstøðini, á skrivstovuni ella heima við hús, hvussu út sær í alinótunum og kring alibrúkið annars, sigur Sofus Gregersen.

Umframt at vera sølu- og marknaðarleiðari hjá JT electric, hevur Sofus Gregersen eisini ábyrgdina av vørumerkingini hjá hesi spennandi fyrirtøku á Kambsdali.