

Styring av montasjeintensiv produksjon

Christer Bjørshol Fabrikksjef Glamox Production Molde

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/ Creating light for a better life

/ We provide sustainable lighting solutions that improve the performance and well-being of people

3,628
Total revenue MNOK

(LTM per Q3'22)

508 Adjusted EBITDA MNOK (LTM per Q3'22)

Operations in

60

Countries worldwide



Factories

Offices in

17 countries



Largest shareholders Triton (~76%) and Must (~24%)



~2,200

Full time employees

>95% of luminaries delivered are

LED

Order intake LTM per Q3'22

3,840



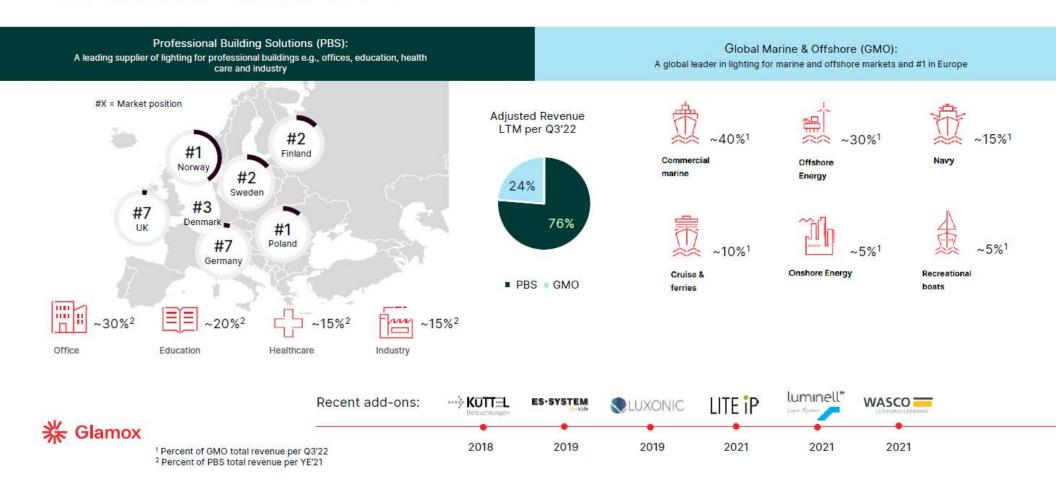






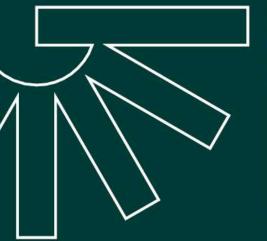
Glamox at a Glance

Glamox is a leading provider of lighting for professional buildings in Europe and to the world's marine and offshore markets





Green Light Strategic Aspirations 2023 / Creating light for a better life





Accelerate growth in existing markets



Innovate market driven, human centric, sustainable lighting solutions



Accelerate market penetration within light systems



Environmental excellence and continuous efficiency improvements



Grow people, culture and leadership



The Glamox organization is divided into three divisions, serving markets both on land and at sea

Professional building solutions (PBS)

A **leading** supplier of lighting solutions (luminaires, systems and services) to non-residential buildings in **Northern- and Central-Europe**



Revenue 78%



FTE ~600

/ Global marine and offshore (GMO)

One of the world's **leading** suppliers of lighting solutions to the **global marine and offshore** markets



Revenue 22%



FTE ~200

/ Sourcing, Production and Logistic (SPL)

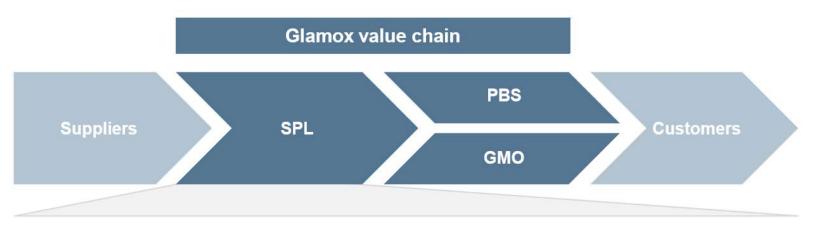
The prime objective is to serve Glamox's customers with excellent services and products. Responsibilities include procurement, manufacturing of goods, warehousing and distribution



FTE ~1300



Sourcing, Production and Logistics (SPL)



The purpose of the division is to serve our sales divisions and their customers with:

- Competitive products of high quality
- Good delivery capability
- Technical support of our own produced products



Glamox Production Molde **Key Facts**

Norway

Total revenue MNOK (2021)

665



Revenue per division 2021:

Professional building Marine & Offshore solutions

Light fittings produced (2021)

400k







FTE-s (Sep. 22) White collar: 28 Blue collar: 132 Total: 159



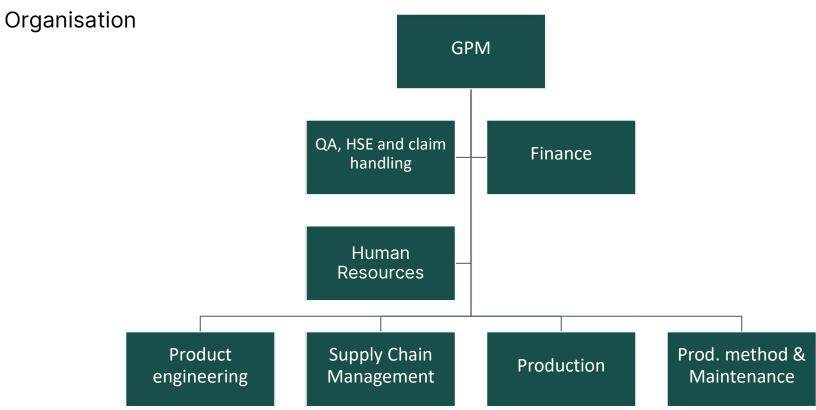
Total space: 24 000 m2 Assembly: 6 000 m2 Metal dep.: 4 000 m2 Painting: 800 m2 Warehouse: 6 000 m2 Office/support: 1000 m2 TOP 5 product families 2021:

1. I60 LED 85 MNOK 99k 2. MIR LED 65 MNOK 42k 3. 110 57 MNOK 56k 4. C90 52 MNOK 41k 44 MNOK 5. C10 LED 42k





Glamox Production Molde (GPM)





GPM production capability

- / Production tool making
- / Production automation competence
- / Fully automated stamping and bending lines
- / Fully automated bending robot for complex bending operations
- / Powder coat and wet paint
- / Reflector production
- / Line- and single assembly
- / ESD safe production
- / Automatic palletizing and transport with collaborative robots

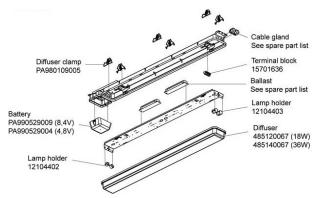






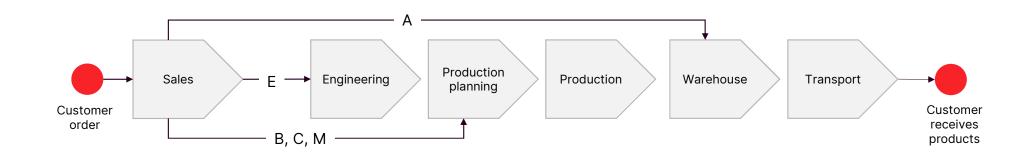
Multi series





700 sold variants

Supply chain process



Delivery times finished products

Distribution of sales

A – day after (45%)

B – 10 days (13%)

C – 15 days (13%)

M – 25 days (11%)

E – on demand (18%)

Production planning

Production completed 3 days before outgoing transport

KPIs: Capacity utilisation Delivery time Production output

Inventory management

A - sales last 4 weeks

Safety stock for components for ABC set by purchasers based on running speed last weeks / months and lead time

Auto-purchase based on re-order points

KPIs:

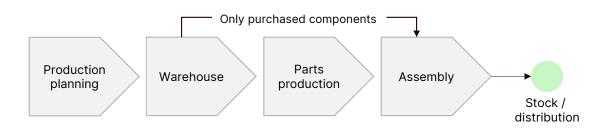
Stock-turn

Component and semi-finished inventory

ABC - inventory levels

Production process





Production planning

Planning for next 2-3 weeks. All new sales orders will generate a demand for production resources.

Assembly production is planned first and parts production accordingly.

Production planners will finalise plan for next ~5 days based on delivery date.

Production capacity

All work centers are set with a finite processing capacity.

All parts and products are set with a set cycle time to complete (BOM and routing).

Production

All work centers team leaders get a production plan for the next day and sets their target production output for operators.

All required components and parts are made available through an internal supply- and Kanban system

KPIs:

Production output Productivity







/ Direction

Sustainable production through safety, quality and efficiency

/ Continuous improvement

Improvement culture based on flow, learning, 5S and customer focus

Work environment

A work environment where everyone takes responsibility and that is characterized by trust, openness, inclusion and teamwork

Making production visual – a work in progress

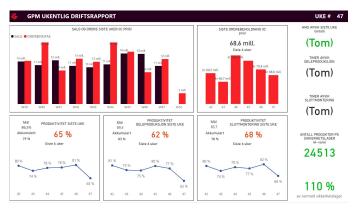
Visualisation for operators

Visualisation for management teams

Visualisation for organisation







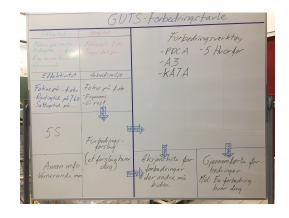
«The more people who know what is going on the more people can contribute»

Eirik Kristoffersen, Norwegian Chief of Defense

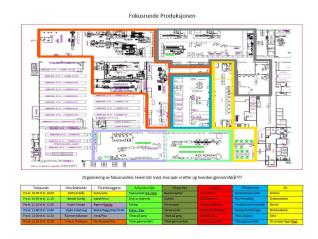


Strengthening continuous improvement work – also a work in progress

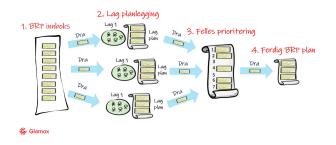
Improvement visualisation boards



Structured GEMBA walks



6 x Big Room Planning







☆ Glamox // status



Thank you for your attention!

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