



Jose Miguel da Silva

SENIOR PRODUCTION ENGINEER

Profile

Graduate engineer in biotechnology with experience in production management.

Master's degree in production engineering (without thesis).

+10 years of experience in production management with daily supervision of chemical reactions and filling operations.

Responsible for process optimization of the chemical process resulting in weekly savings of 2,680€ - 3,360€ depending on production requirements.

Strong negotiation skills with suppliers of the industrial process, saving 120,000 € annually in energy.

Employment History

Industrial Engineer - Packaging Manager, Logofruits, Setúbal

AUGUST 2022

Founded in 2016, Logofruits is currently the leading blueberry producer in Portugal and one of the biggest European players in the industry. Currently, between its two estates, Logofruits has a total cultivated area of 140 hectares. Additionally, the company operates an optical sorting packaging and fruit conditioning unit which offers our customers the opportunity to pack their fruit in our facilities.

- Created and maintained a system of metrics and KPIs to monitor and evaluate production performance
- Implemented and oversaw maintenance procedures
- Oversaw the installation of all production equipment
- Developed and implemented a system for tracking and controlling production costs, procurement and HR

Director of Industrial Production,, Key Leaves, Setúbal

OCTOBER 2021 – JULY 2022

Key Leaves is a licensed producer of pharmaceutical-grade cannabinoids. Its operations in Portugal produce cannabinoid active pharmaceutical ingredients (API) and finished products in flower and extract form to a growing base of B2B customers around the globe.

- Overseeing the workforce in the production department
- Striving to reduce expenses and increase productivity across all product lines
- Ensuring all employees follow industry-standard health and safety guidelines
- Setting up the production goals
- Responsible for maintaining all production-related documentation for future reference purposes
- Cooperates with the production team to manage production workflow, schedule, and quality
- Ensures that final product/s meets quality standards and customer specifications.
- Controlling and definition of the room climate (Co2, light intensity, temperature, relative humidity)
- Implementation of different services (planning and dimension of Co2 lines)

Achievements

- Reduced energy costs by 50% by renegotiating a new deal

Details

Setúbal

Portugal

00351968426911

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Skills

Effective Time Management

Adaptability

Time Management

Leadership

Ops - EH&S

Process Control

Microsoft Office

Project Management

Supply Chain Management

Product Lifecycle Management

Performance Tracking

Hobbies

Triathlon long distance (several international half ironman finisher)

Ultra-trail (several distances finisher)

Semi-Pro University handball player

Viticulture and Enology

Languages

Portuguese

Spanish; Castilian

English

French

- Optimizing of harvesting process reducing the period to less than 15% of working hours

Lead Production Coordinator, Sjaak van Schie B.V., Lisbon Metropolitan Area

OCTOBER 2020 – OCTOBER 2021

Sjaak van Schie B.V. is a business specializing in producing high-quality Hydrangea (Hydrangeas) in various stages of cultivation; from cuttings to end products, with a growing share of exclusive varieties.

- Direct responsibility for approximately 30 people (production planning according to a chronogram)
- Introduction of a new methodology for root pruning
- Introduction of new products
- Preparation of production and cultivation books (treatments, fertilization, calendar, etc.)
- Irrigation planning and greenhouse control parameters

Production and procurement manager, Sol de Dial, Lisbon Metropolitan Area

OCTOBER 2018 – OCTOBER 2020

Sol de Dial is a company specializing in the production and development of products for hemodialysis it also provides services of pharmaceutical and medical devices distribution.

- Productivity studies and optimization of the production process at ISO 13485.
- Description of work processes and calculation of target times.
- Production control planning
- Overall procurement planning
- KPI implementation

Production Manager, Adubos Deiba, Setúbal

AUGUST 2016 – AUGUST 2018

Adubos Deiba operates in the farming industry by blending high-quality fertilizers and providing logistics services.

- 24 reports - including 20 direct production-related reports and 4 indirect reports for warehousing and transportation.
- Implement a weekly reporting system that includes production efficiency, potential improvements, recommended replacement of production parts, and quality
- Implementation of a preventative maintenance program (PM) to reduce downtime.
- Monitor blend production of nitrogen, phosphorus, and potassium improvements
- Developing new products/processes depending on customer needs
- Introduction of OEE (Overall Equipment Effectiveness) reporting.

Achievements

- Reduced energy costs by 15% by introducing a new compressed air process (reduction from 3 to 2 compressed air units)
- Introduction of a general preventive maintenance plan

Production Shift Supervisor, SOPAC, Setúbal

AUGUST 2010 – AUGUST 2016

The main activities of ADP Fertilizantes, part of the Fertiberia Group, are the production

and sale of fertilizers for agriculture.

- 5 direct subordinates - production workers on a 24/7 shift with 4 cycles.
- Supervise numerous chemical reactions within each shift.
- Analysis and optimization of the chemical process
- Studies on the introduction of Total Preventative Maintenance
- Introduction and monitoring of various KPIs

Results achieved

Reduction of ammonia consumption by 10% (kg per ton of fertilizer) in the production of some N fertilizers

Process Engineer, Codan Medical Devices Portugal, Lisbon Metropolitan Area

JUNE 2008 – OCTOBER 2010

- Productivity studies and optimization of the production process at ISO 13485
- Work flow description and target time calculation
- Risk and failure assessments (FMEA)
- Validation according to ISO 11607-1-2 (packaging for terminal sterilized medical devices)
- NPI - New product introductions

Occupation Health and Safety Technician + Microbiology Technician, Zimaia Laboratory, Lisbon

MAY 2007 – MAY 2008

- Implementation of OSHA 18001 and ISO 9001.
- Risk assessment, PPE, implementation of safety standards in accordance with
- Portuguese legislation.
- Professional training of employees in the field OH &S

Trainee at AICEP, BIONOSTRA, Madrid

FEBRUARY 2006 – DECEMBER 2006

Bionostra is engaged in the R&D and commercialization of biotechnology services.

Education

Master in Production (missing thesis), Polytechnic Institute of Setubal,, Setúbal

SEPTEMBER 2011 – PRESENT

Core subjects

- Lean management
- Conventional and unconventional productions processes
- Operations planning
- Maintenance

MEng in Biotechnology, University Algarve

SEPTEMBER 1997 – MAY 2004

- Engineering subjects (Maths, Physics, Thermodynamics, Chemical, Process, Biochemistry, Microbiology)
- Separation process and bioprocess, animal and vegetal biotechnology
- Industrial processes, macro molecular chemistry

Courses

REFA-Production Optimization and Production Organization, German chamber of commerce Lisbon

JANUARY 2005 – JANUARY 2006

Occupation Health and Safety, IEPF

MARCH 2006 – OCTOBER 2006