

## CV Christian Pallesen

**Name:** Christian Thrysøe Pallesen  
**Date of Birth:** 1965-10-29  
**Nationality:** Danish  
**Position:** Managing Director of PlantWare A/S (Engineering)  
Managing Director of PlantWare Holding ApS

### Education

|                |       |  |
|----------------|-------|--|
| Basic School   | 72-81 | Vesterkæret Skole, Aalborg, DK   |
| High School    | 81-84 | Hasseris Gymnasium, Aalborg, DK  |
| Mech. Engineer | 86-91 | DTU – Technical University of Denmark, Kgs. Lyngby, DK. <a href="http://www.dtu.dk">www.dtu.dk</a><br>Graduated at Mechanical Engineer B.Sc. |

### Language

Language skills:

- Danish (native)
- Swedish (read, speak)
- Norwegian (read, speak)
- English (read, write, speak)
- German (read, write, speak)

### Job Experience

|  |       |   |
|--|-------|---|
| F.L. Smidth & Co<br><a href="http://www.flsmidth.com">www.flsmidth.com</a> | 91-91 | Steel Structures <ul style="list-style-type: none"><li>• Design</li><li>• Detail Calculations</li></ul><br>Programming <ul style="list-style-type: none"><li>• Different software packages for sizing part of the cement factory (basic material handling).</li></ul> |
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|---|-------|---|
| Lydteknisk Inst. ATV<br>(Delta Acoustic &<br>Vibration)<br><a href="http://www.delta.dk">www.delta.dk</a> | 91-92 | Sound & Vibration: <ul style="list-style-type: none"><li>• Measurements in the field</li><li>• Measurements in laboratory</li><li>• Calculation</li></ul>   |
| LK A/S<br><a href="http://www.lk.dk">www.lk.dk</a>  | 92-93 | Electrical Equipment: <ul style="list-style-type: none"><li>• Development (mechanical) of power metering racks</li><li>• Development (mechanical) of MCC and Switch gear</li></ul>  |
| BWE A/S<br><a href="http://www.bwe.dk">www.bwe.dk</a>   | 93-97 | Boiler Design: <ul style="list-style-type: none"><li>• Responsible for plant layout in AVEVA PDMS for several plants including e.g. <a href="#">AVV2</a> and <a href="#">SVS3</a>.</li><li>• Ducting including equipment such as fans, flexible joints and dampers</li><li>• Utility piping systems</li><li>• Technical Specifications and Purchasing of equipment such as fans, dampers etc.</li><li>• Sound calculation and measurement from ducting systems and equipment. Design of sound attenuators and sound insulation.</li></ul> |
| PlantWare A/S<br><a href="http://www.plantware.dk">www.plantware.dk</a>                                   | 97-   | Founded PlantWare<br><br>PlantWare's business is based on plant design using mainly AVEVA PDMS for designing within the following business: <ul style="list-style-type: none"><li>• Pharmaceutical</li><li>• Chemical</li><li>• Food and Beverages</li><li>• Marine</li><li>• Power</li><li>• Waste Incineration</li></ul>  |

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- Industry General
- Petro chemical

PlantWare produces fabrication drawings of

- Piping
- Piping supports
- Steelwork
- Ducting
- HVAC
- Platforms
- Access stairs and ladders

PlantWare makes development for AVEVA PDMS:

- Cats and Spec, Piping
- Cats and Spec, Structural Steel
- Cats and Spec, Hangers & Support
- Macro programming for design and draft

PlantWare makes engineering of piping systems according to EN 13480 in terms of

- Strength calculations – wall thicknesses, nozzles etc.
- Pipe flexibility calculations
- Bolting calculations

PlantWare makes software development such as

- General Engineering Databases for handling mechanical and electrical data
- Maintenance Databases for process plants
- Databases for handling outfitting for e.g. clean rooms and laboratories
- Document handling

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### Qualifications

- ROHR2** Pipe flexibility calculations after EN13480
- DATABASE** Programming and development – both desktop databases like MS Access and SQL servers.
- CONVAL** Software for Control Valve Selection
- PIPING** Pipe calculation after EN13480
- STEELWORK** Strength calculation according to DS412 and EUROCODE3
- DYN3D** FEM Analyses program.
- SOUND** Measurement of Sound and Vibration based on octave and FFT analysis.
- Sound calculation
- Sound insulation of equipment, ducts for power plants etc,
  - Sound propagation
  - external sound pressure levels from different sources (external noise control)
- FLOW** Flow calculation of fluid and gasses.
- AVEVA PDMS** All parts of the application. Experience since 93.
- DESIGN: Steelwork, Piping, Equipment, HVAC, Cable tray, Hangers&Support
  - DRAFT: User application and Administration application
  - PARAGON: Catalogues creation for piping, steelwork, cable, HVAC, trays, hangers and support.
  - PROPCON: Material and fluid data
  - ISODRAFT: User application and Administration application
  - SPECON: User application and Administration application
  - CUSTOM: Development of application for design and draft purpose.

# Plantware

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PlantWare has for example developed our own modules for

- HVAC – Domestic and industrial applications
- Ducting – Air and Flue gas ducts for e.g. power plants
- Platforms and access stairs & ladders

Furthermore, we have developed specifications for piping system, cable trays, steel work (sections and joints) plus hanger and support.

Please visit PlantWare reference for more information:

<http://www.plantware.dk/?com=Engineering&show=4>

Please visit PlantWare PDMS page for more information:

<http://www.plantware.dk/?com=Engineering&show=3&sideId1=36>

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