

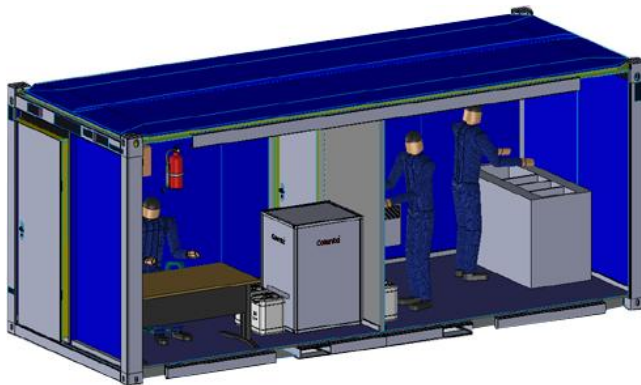


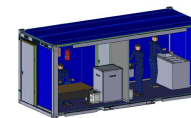
# Introduction of the

# Colenta<sup>®</sup>

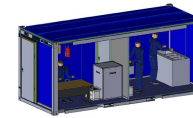
## NDT „Ready to use“

## Container Lab





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## 1) Introduction

The range of NDT products, produced by Colenta for industrial x-ray inspection applications, are well established and respected world-wide and now include customised containers to provide mobile film-lab facilities on-site as and where required.

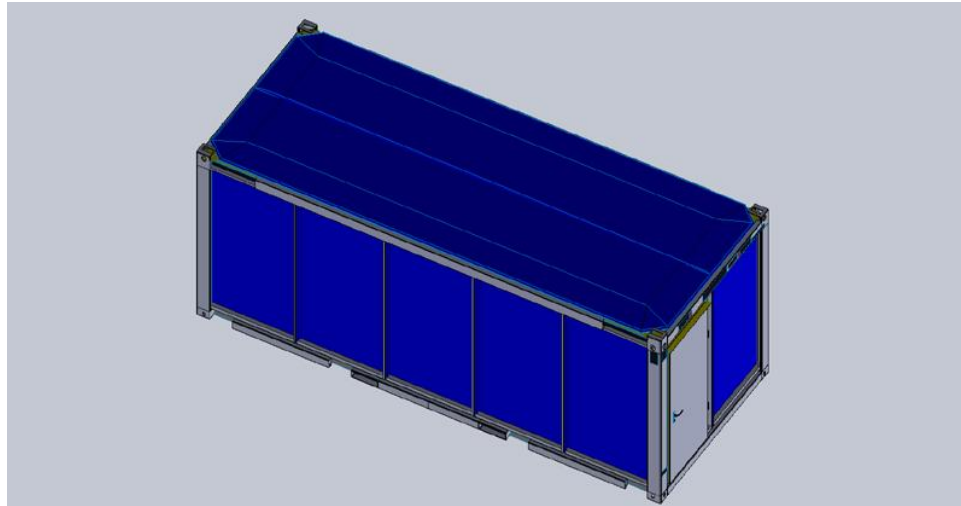
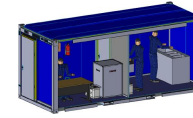


(symbolic image)

**Colenta<sup>®</sup>**

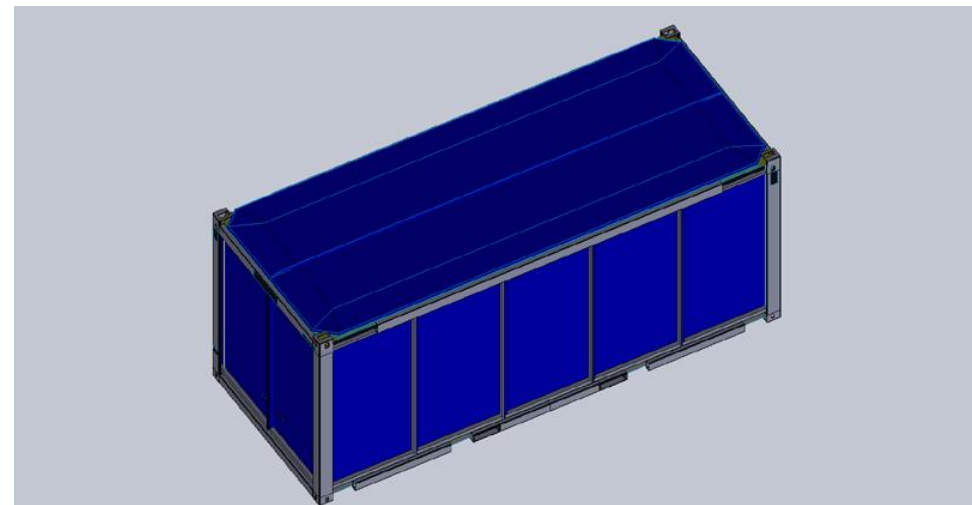
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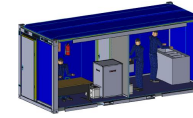
The Colenta “Ready to use” NDT Container lab comes fully factory prepared and tested with the necessary services and facilities to provide safe and efficient working conditions to enable inspection staff to get the job done effectively and at the highest level. Each container can be adapted for both analogue and digital inspection requirements with the equipment and the services to meet these requirements. The mobility and safety features within the design ensure ease of movement to a working location anywhere in the world.



**“Ready to use”  
20ft NDT Container Lab**

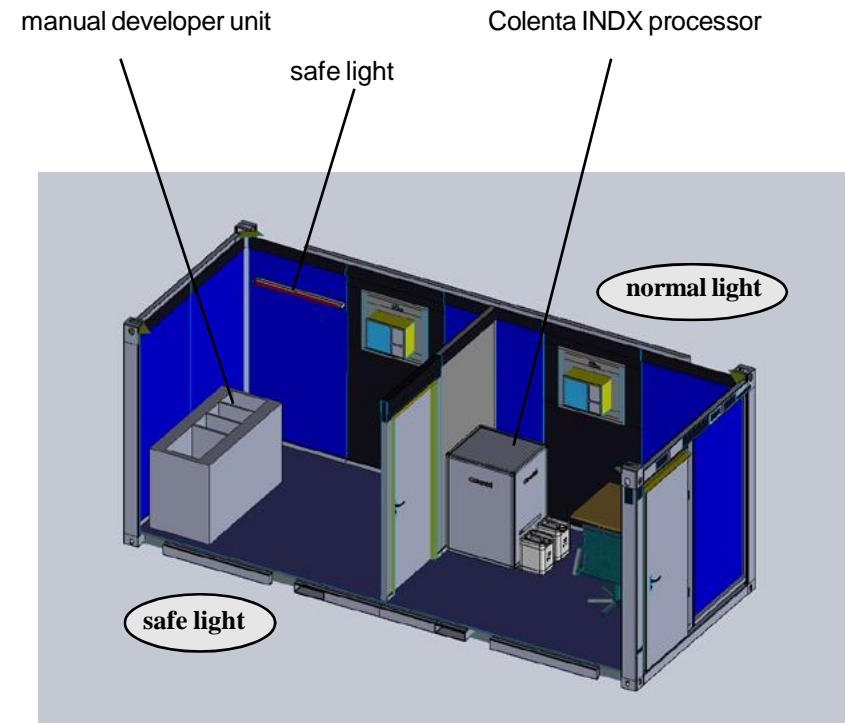
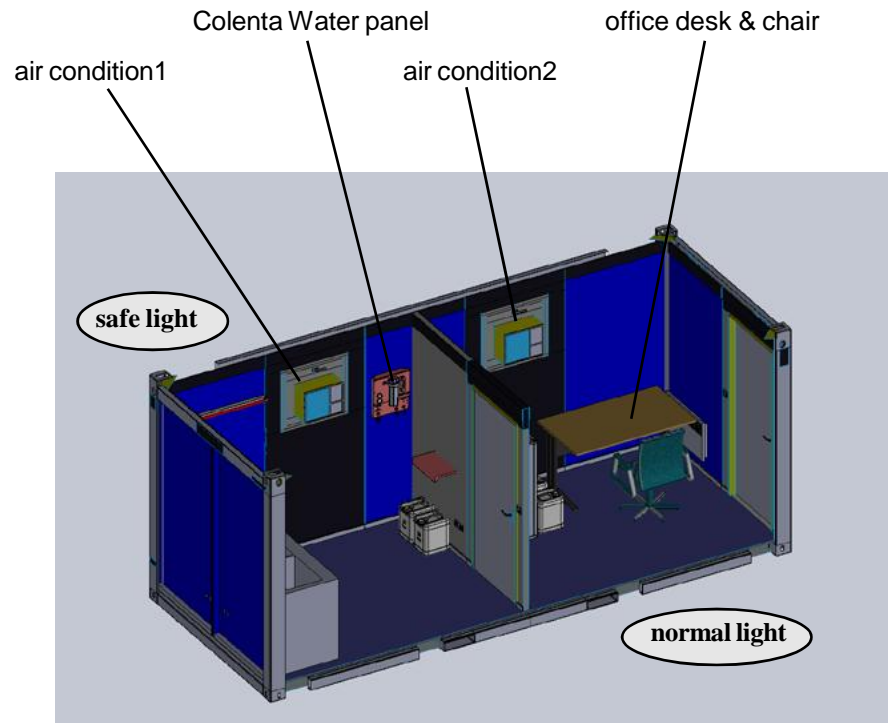
**“Ready to use”  
20ft NDT Container Lab**





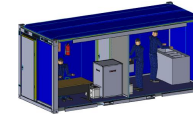
## 3) Detailed description & overview

The design of each self contained mobile units is individually planned to meet the customers requirements in terms of film processing equipment, film handling/viewing and interior layout. All equipment and services are securely fixed to provide safe and reliable handling both in transit and when in use.

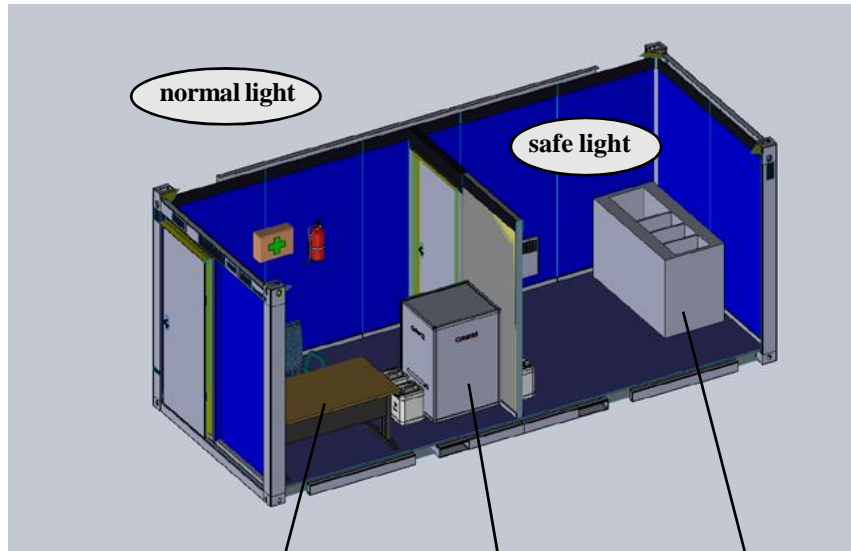


A separation wall divides the available space into a “safe light” and “normal light” area.

# Colenta<sup>®</sup> “Ready to use” NDT Container Lab



These images show the internal structure of the container with examples of a typical design format for equipment and services. Each container Lab is set up to the specific requirements of the customer and installed to comply with the highest levels of safety.



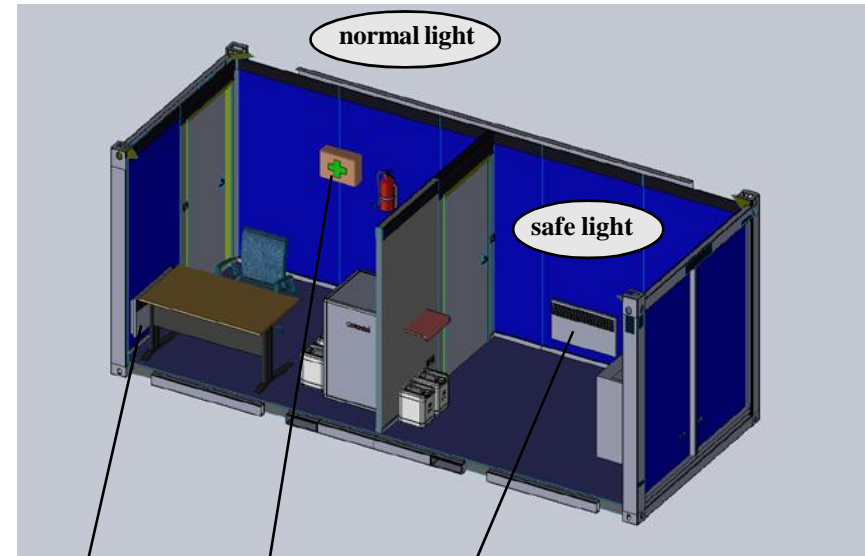
normal light

safe light

office desk & chair

Colenta INDX processor

manual developer unit



normal light

safe light

heater1

heater2

included safety standards



# eye shower system

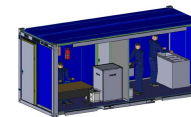
# hand-held fire extinguisher



# first aid kit

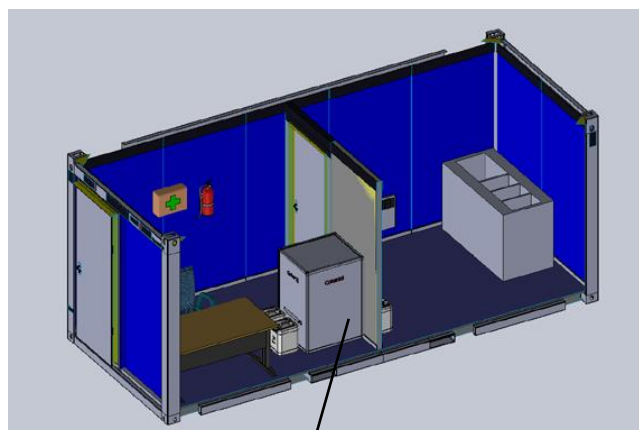


# Colenta<sup>®</sup> “Ready to use” NDT Container Lab



## 4) Colenta INDX Processor ready installed from the factory

Typically a Colenta INDX 43-5 Film Processor is recommended for use within the Container lab. This model offers a robust design and a compact foot print to maximise working space and operates with flexibility and speed to meet the demands of the job. An internal inbuilt chiller unit is provided with the INDX 43-5 as standard.

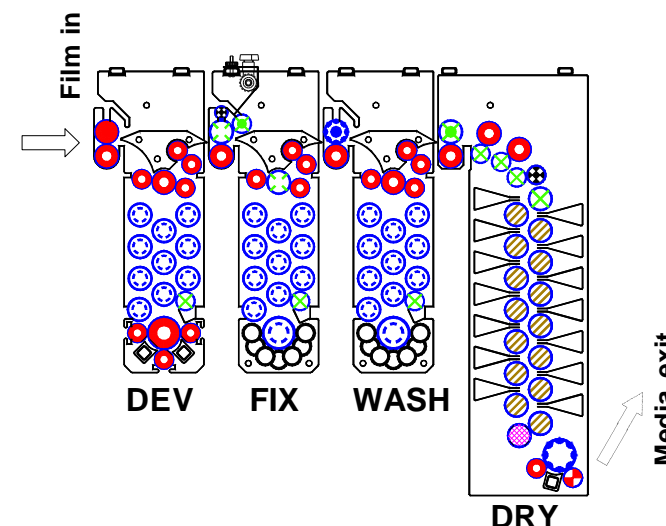


Colenta<sup>®</sup>  
INDX 45/5 NDT  
Film Processor

Colenta<sup>®</sup>  
INDX 45/5 NDT  
Film Processor



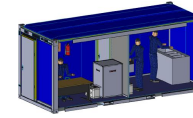
Colenta<sup>®</sup>  
INDX 45/5 NDT Film Processor  
Transport system:



The **COLENTA INDX 43/5** is a fully automatic “dry to dry” film processor with a production speed of 34 cm/min at an 8 min cycle offering many practical eco advantages in its design, with key features that include productivity, reliability and archival quality

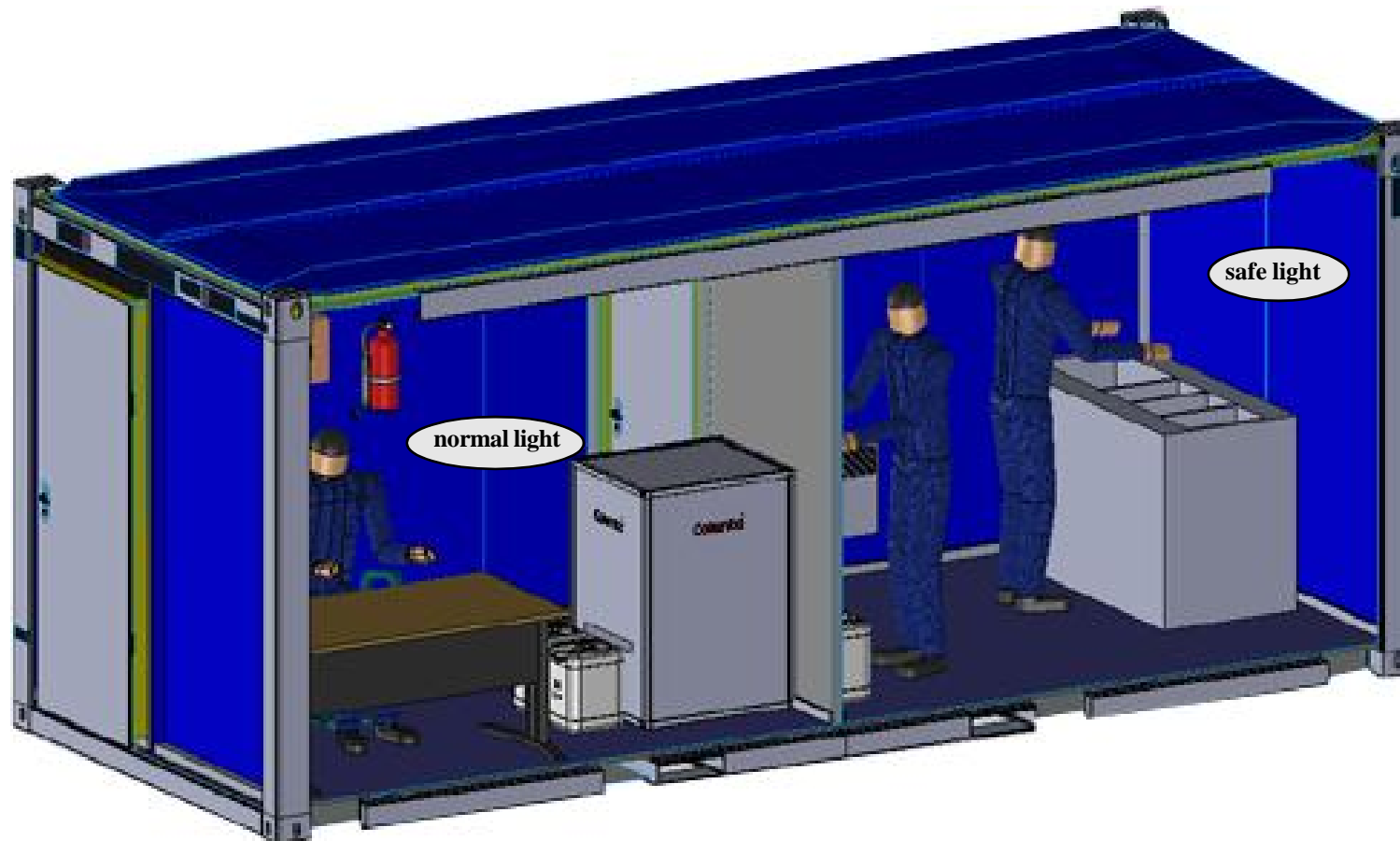


# Colenta<sup>®</sup> “Ready to use” NDT Container Lab



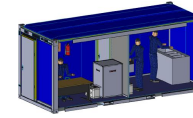
## 5) Concept of use

The Colenta NDT Container Lab includes a separation wall to divide the available space into “normal light” and “safe light” areas.





# Colenta<sup>®</sup> “Ready to use” NDT Container Lab



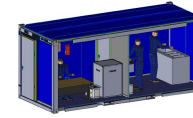
Within the “safe light” darkroom area, film either gets :-

- 1) Prepared for the job (NIF film envelope loading)
- 2) Processed in the auto processor or manually processed

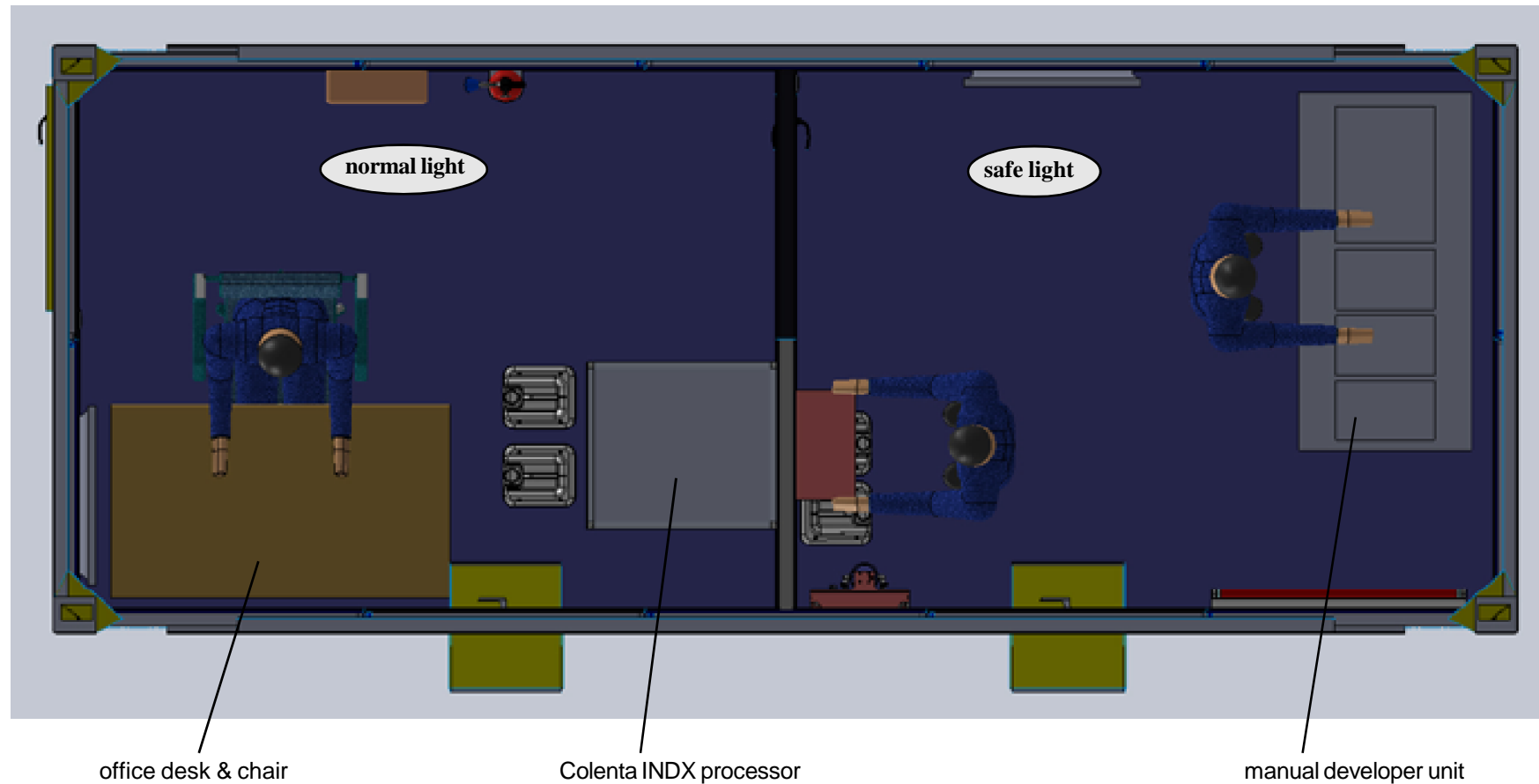


Within the “normal light” working area, the processed film is inspected:

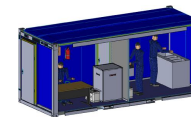
# Colenta<sup>®</sup> “Ready to use” NDT Container Lab



Top-view of the Colenta NDT Lab :

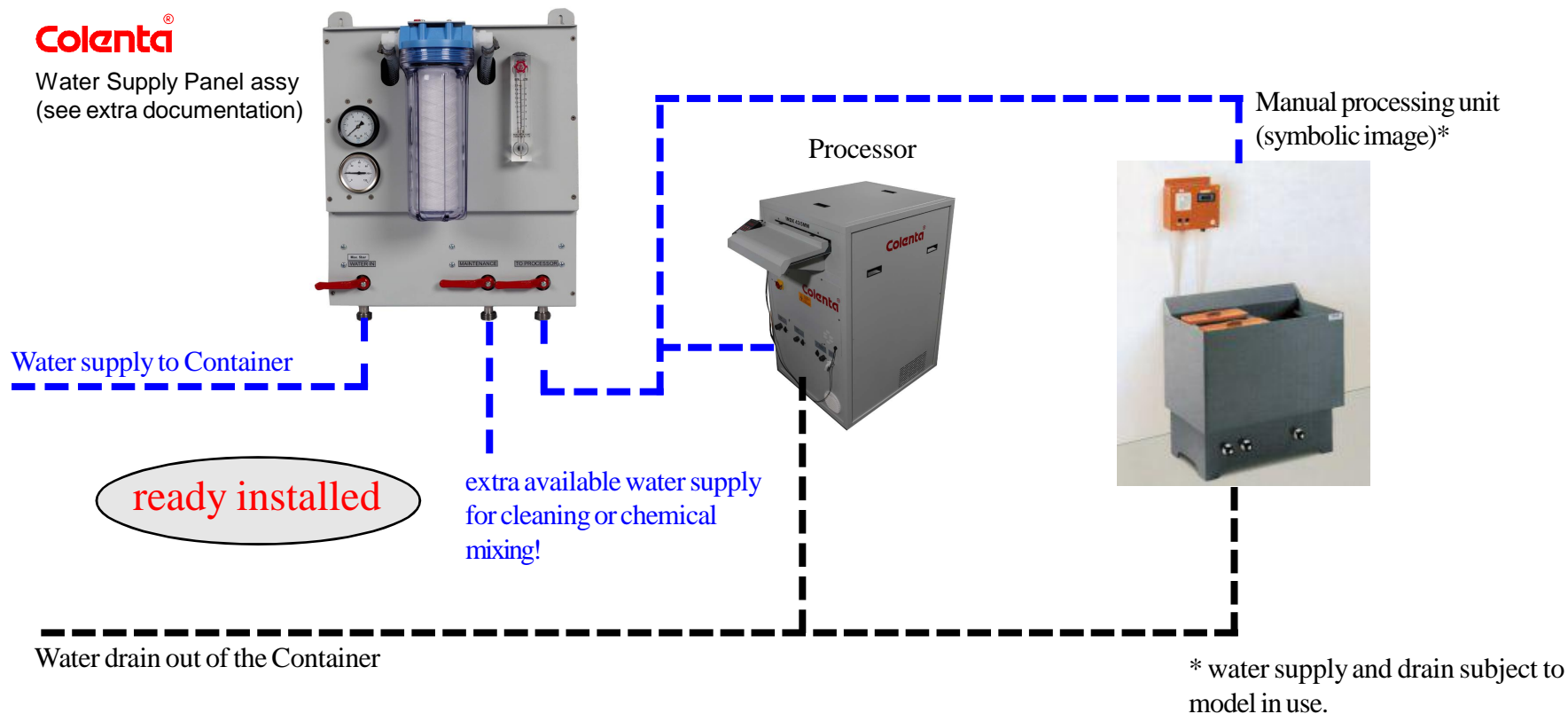


# Colenta® “Ready to use” NDT Container Lab

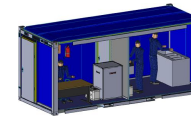


## 6) Water supply

The “Ready to Use” Colenta NDT Container Lab, is delivered with the internal water supply plumbing and water drain facility installed and tested! A water supply panel, inclusive of a filter, thermometer, pressure gauge and a water flow meter, is provided and used to provide a visual indication of water flow and temperature to the film processor at all times.

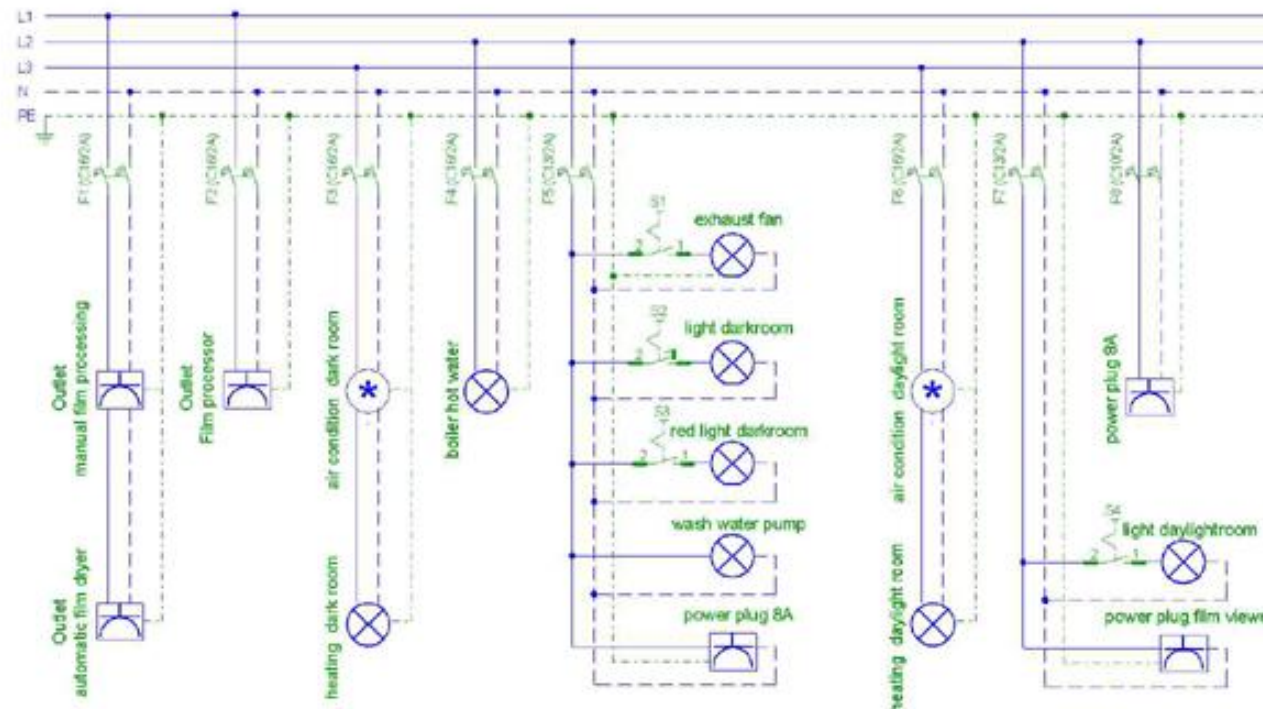


# Colenta<sup>®</sup> “Ready to use” NDT Container Lab

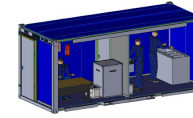


## 7) Electrical supply

The “Ready to Use” Colenta NDT Container Lab, is delivered from the factory with a pre-installed and factory tested internal electrical supply system. A typical electrical supply for a such a system may look as follows.



All equipment and services within the container, such as the film processor, the manual processing unit, lighting, heating, AC units are provided with the required electrical supplies fused and isolated to provide safety at all times.



## 8) standards & optionals

### Standards included:

- Insulated 20 foot Container
- 2 x AC and 2 x heating system
- “Ready to Use” internal electrics
- “Ready to Use” internal water and drainage
- Colenta INDX Processor
- Work bench plus chair
- Manual film processing unit
- Colenta Water Panel
- Darkroom safe light



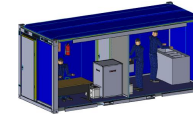
### Optional accessories:

- Colenta NDT film Dryer
- other optionals on request

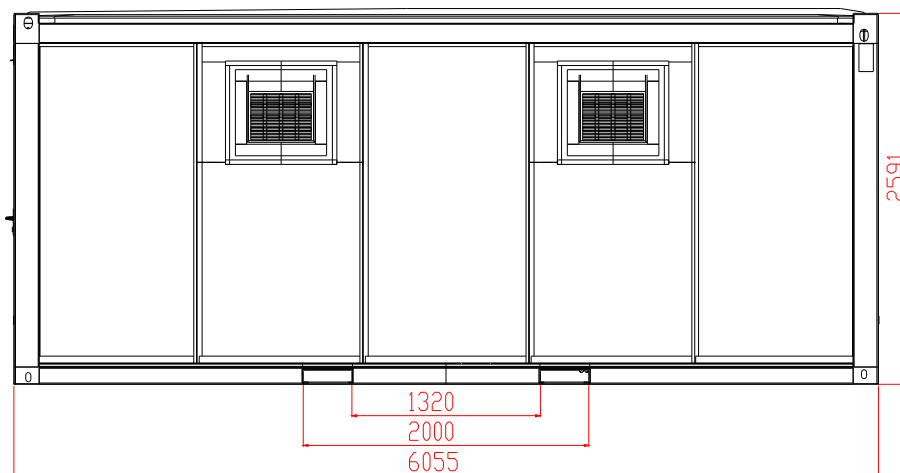
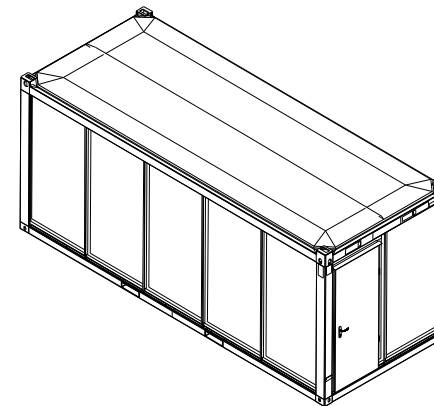
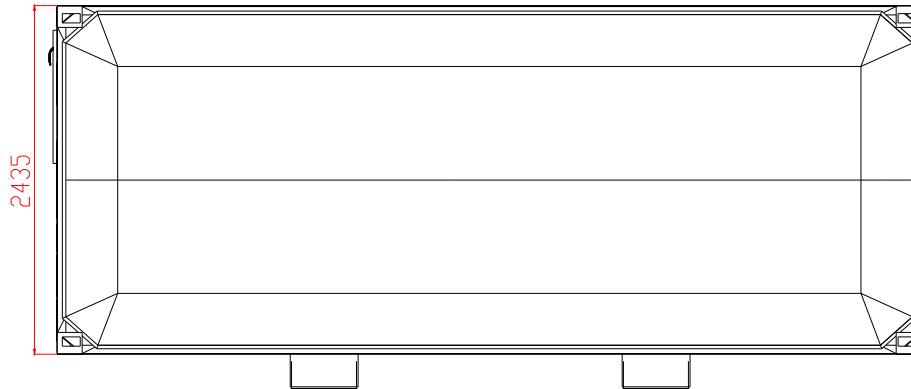


- Safety kit & - CE marking

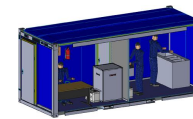




## 9) dimensions 20 foot container:



- # inside height : 2340 mm
- # door height : 2 x 1940mm
- # total weight (net) : 2000kg
- # incl Colenta accessories about 2300kg
- # fork lifting points : 1650 mm / or crane handling
- # all dimensions are mm



## NOTES:

[illegible]