

Nursery in a Box

Plant the Planet

01. History

“BCC developed the “Nursery in a Box” (NiB) solution, which is a modular and standardized kit including everything needed for a containerized forest nursery”

To build and start up a containerized forest nursery in remote areas is often a complex and a lengthy process. It also involves relatively high initial investment costs for the customer.

Some of the challenges for the customer include:

- finding the proper site for seedling/cutting production
- finding suppliers for all the different components required for the nursery
- ensuring that components from different suppliers are compatible and that the nursery will work as an integrated unit
- expensive freight
- assembly and installation of the different components
- start-up of nursery production
- long term service and back-up support

02. Nursery in a Box concept



For small-scaled nursery operations, which do not require a high degree of mechanisation, but still focuses on producing top quality forest seedlings and cuttings, the Nursery in a Box (NiB) concept is the ideal solution. The NiB is a particularly convenient option in remote locations where it is difficult to source materials or good quality equipment.

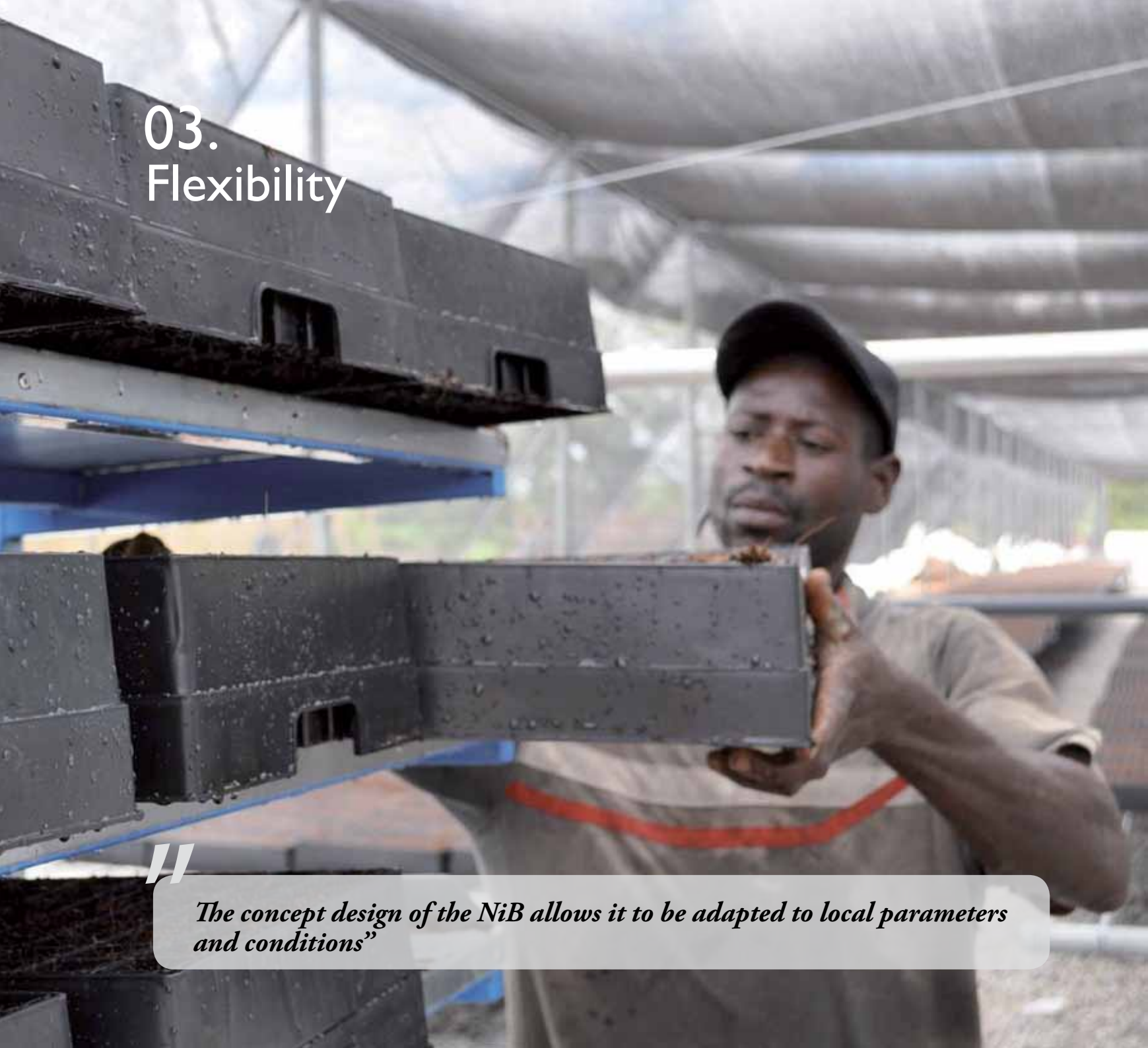
The concept is based on containerised plant production and includes everything required to set up a fully operational nursery in a short period of time.

The NiB includes:

- Modular growing structure
- Trays
- Support & handling system
- Pump & filter station
- Water storage tank
- All plumbing & fittings for irrigation system
- Boom irrigation system with integrated fertiliser injection unit
- Spare part kit
- Set of small tools for installation and maintenance work
- Nursery instruments required for plant production

BCC is the turnkey supplier of NiB-projects worldwide.

03. Flexibility



“*The concept design of the NiB allows it to be adapted to local parameters and conditions*”

Supplying and installing equipment in remote areas is normally a complicated process. Supplying a turnkey solution could be even more challenging in order to guarantee product quality, product compatibility and integration, and product performance. A flexible approach from the supplier is critical in order to ensure success.

Climatic and growing conditions also differ significantly from location to location. The concept design of the NiB allows it to be adapted to local parameters and conditions. Future expansion of the nursery is also possible by adding more modules to the system.

BCC and the customer closely co-operate throughout the project in order to allow for customized solutions, ideas, determine the optimal design and to decide which growing container is best for the species to be grown. Any of the complete range of BCC growing containers or even a combination of different trays can be used in the NiB setup.



04. Simplicity



The NiB concept is user-friendly and simple.

Prior to development, the work scope and various responsibilities are made clear. The customer will also receive detailed cost calculations from BCC as well as production capacities for the nursery.

BCC offers a standardized but flexible solution to keep costs low and to offer short lead times. A complete installation manual for all components is included in the project. This allows for installation and assembly work to be done by own staff. On request from the customer BCC can supply technicians to assist with supervision of installation.

All goods are shipped in 40 ft and/or 20 ft containers to the site (also depending on local handling/loading and road conditions). One of the containers is supplied to the project as a SOC (shipper's own container), which will serve as a pump room, storage facility and nursery office.

A spare part kit and all necessary tools and instruments are included which guarantee that the start-up of the nursery is efficient and successful.



05. Responsibility

“BCC has extensive experience of supplying nursery solutions worldwide, which is reflected in the equipment and expertise we offer”

BCC is fully involved in the planning of each and every NiB project, the manufacturing of equipment, transport, installation of the nursery and the after sales service. BCC has extensive experience of supplying nursery solutions worldwide, which is reflected in the equipment and expertise we offer.

We view a close dialogue with the end customer as vital. From a customer point of view, having one supplier taking full responsibility of the project makes it easier and allows the customer to focus on production issues.

BCC is confident taking this responsibility and supplying the next NiB solution.



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