

NCC KompletTM





A technological leap for lean house production







Technological leap

Leading production technology inspired by the manufacturing industry

- Construction time halved
- Costs reduced
- Quality enhanced

NCC, the first company to offer personal buildings produced in a lean manufacturing process





NCC AB

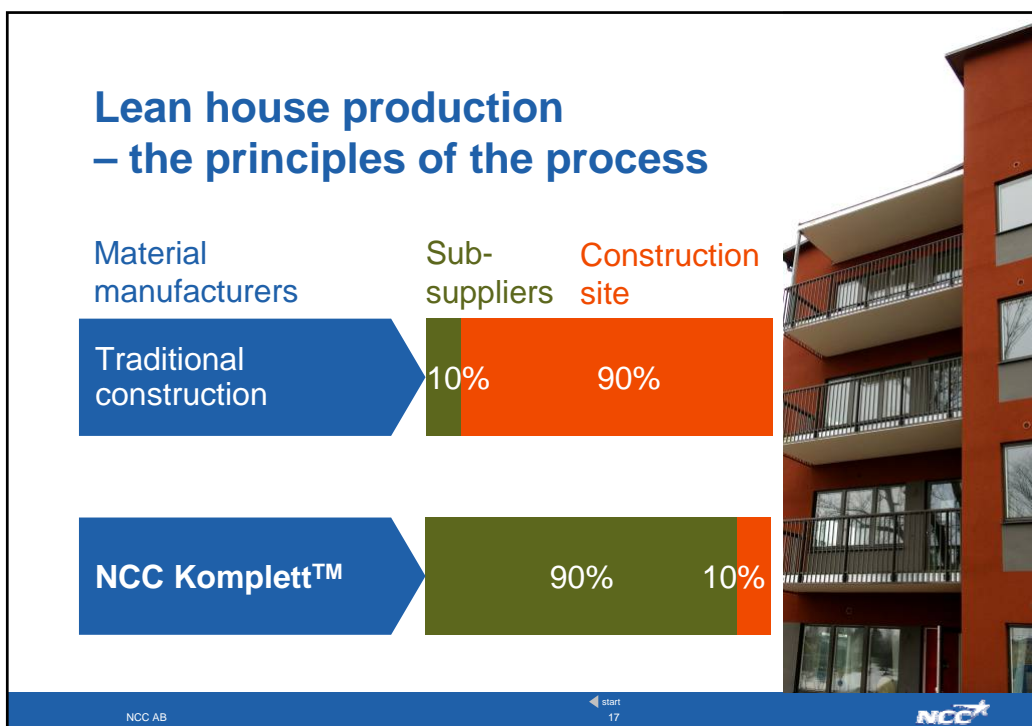
start
5



World-leading residential production plant

- Investment of about SEK 300 M (€ 32 M)
- Approx. 80 industrial workers
- All production is order controlled
- High degree of automation
- Incoming and outgoing deliveries – just-in-time
- Own concrete plant – high-performance concrete
- Capacity of 1,000 apartments per year
– 17 apartments per operator
- Work environment is clean and tidy
– finished surfaces are not damaged
- Components leave the factory as flat packages
- One truck departs every 15th minute





How it works

- All input materials come directly from material manufacturers
- IT-based systems are used for fault-free project planning
- Using state-of-the-art 3D software, architects create buildings with unique characteristics and design
- Own concrete plant guarantees quality of high-performance concrete that is required



NCC AB

start
23

NCC

Rational production results in consistently high quality

- Complete floor and ceiling structures, walls and kitchens
- Installations: electrical, water and sewage, ventilation
- All surfaces: wallpaper and flooring
- Radiators, windows and doors are assembled
- Bathrooms are delivered in a completely finished condition from bathroom manufacturers
- Up to eight buildings can be produced on a parallel basis

90 percent completed in the factory



NCC AB

start
27

NCC

Unique assembly

- Each floor is placed into position using an attaching device at the end of each wall unit
- The floors are clicked together
- The unique design of the attaching device can be adjusted down to a millimeter to take into account the minute measurement deviations that can arise during production



NCC AB

start
29

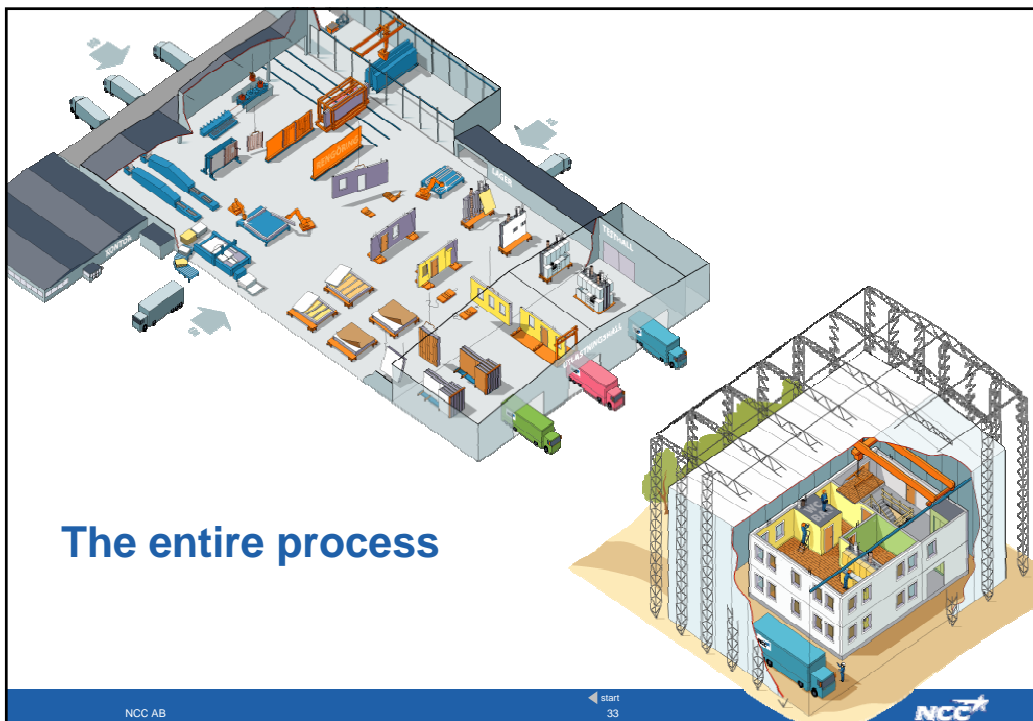
NCC

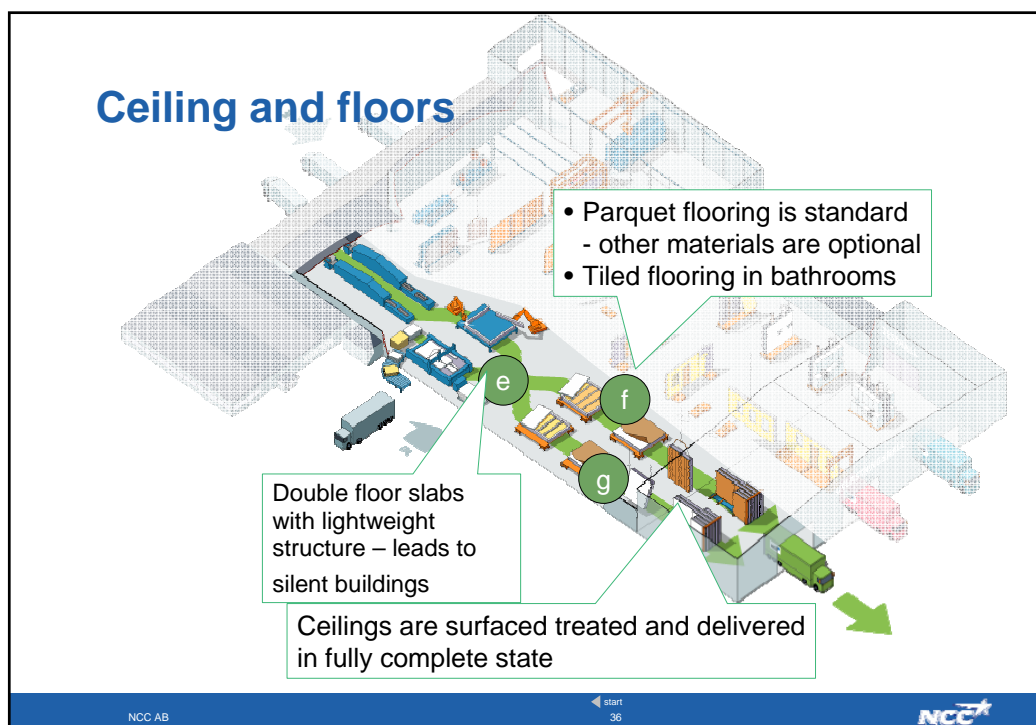
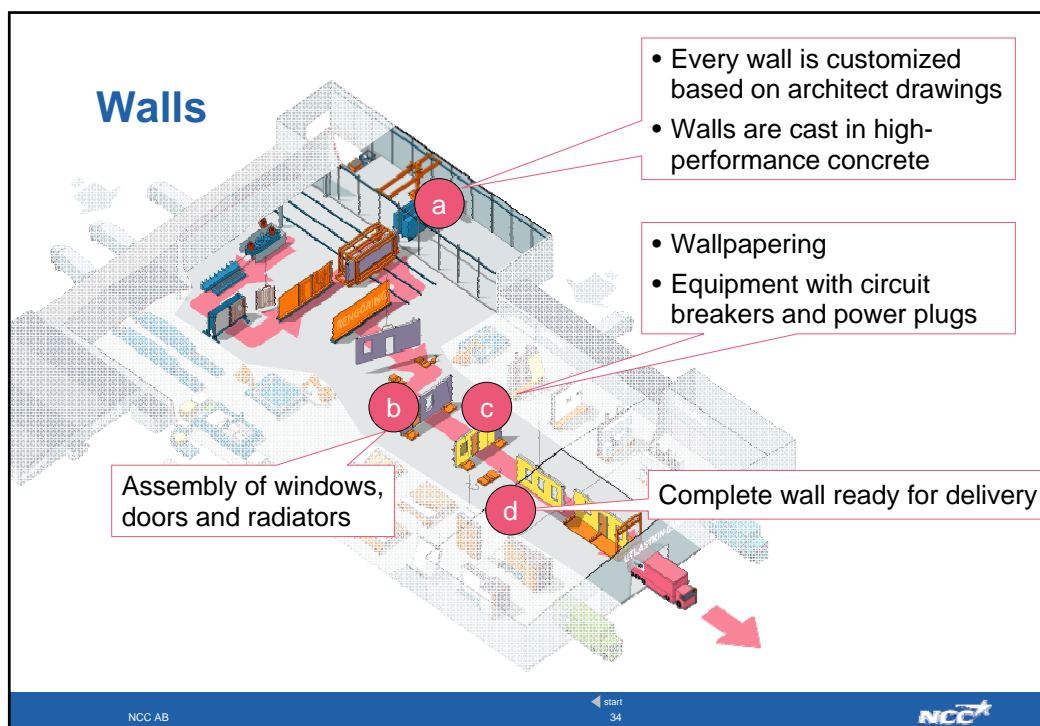


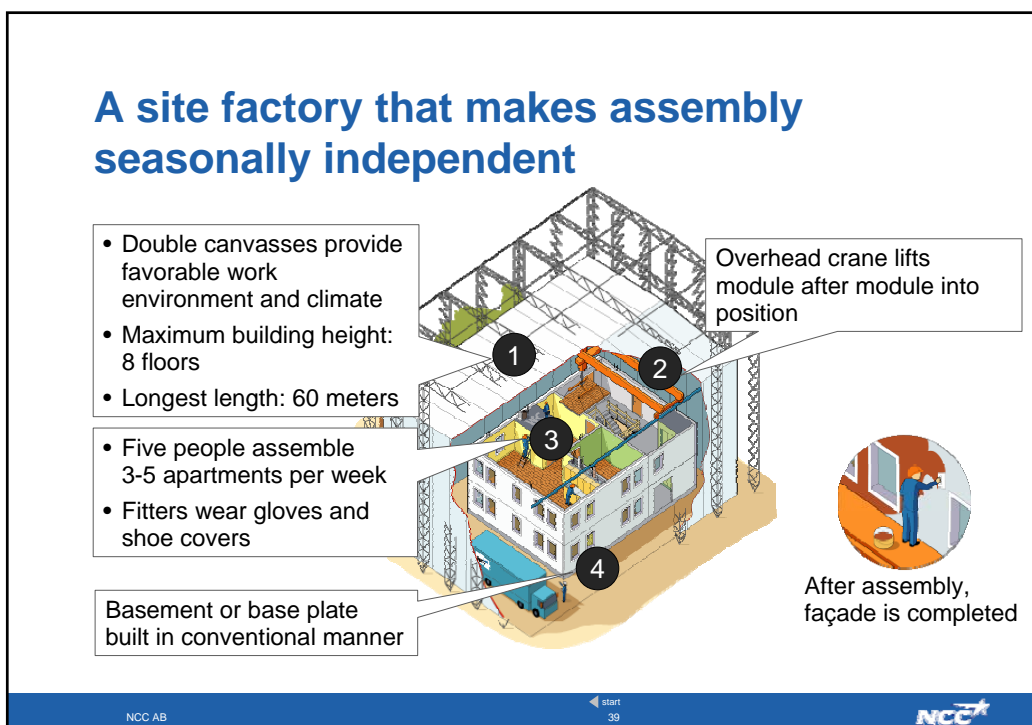
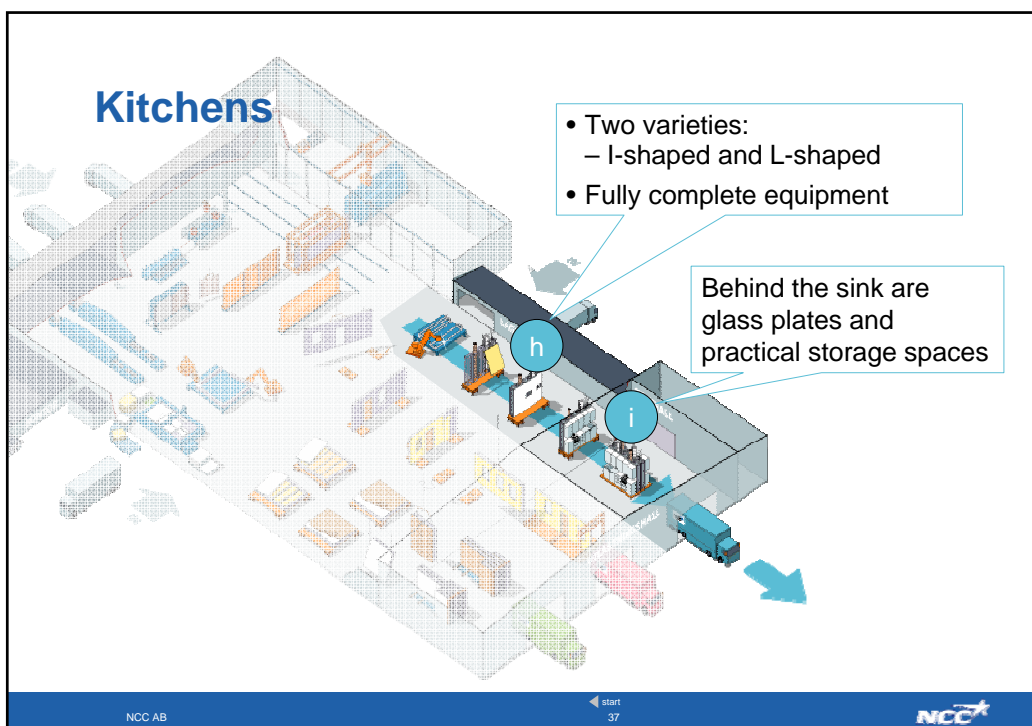
NCC AB

start
31

NCC





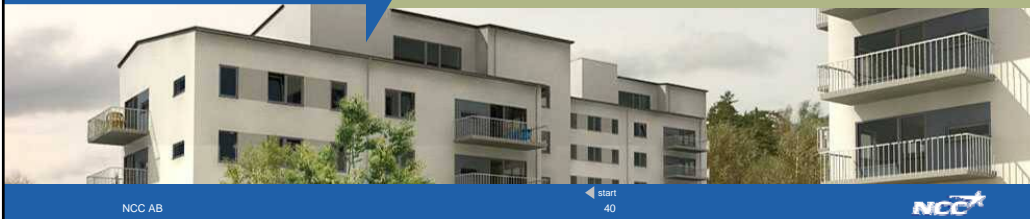


Personal buildings rather than standard-type buildings

- Not limited by standard-type buildings
- Modern 3D technology and advanced production processes

GREAT FREEDOM

To create personal and attractive apartment blocks

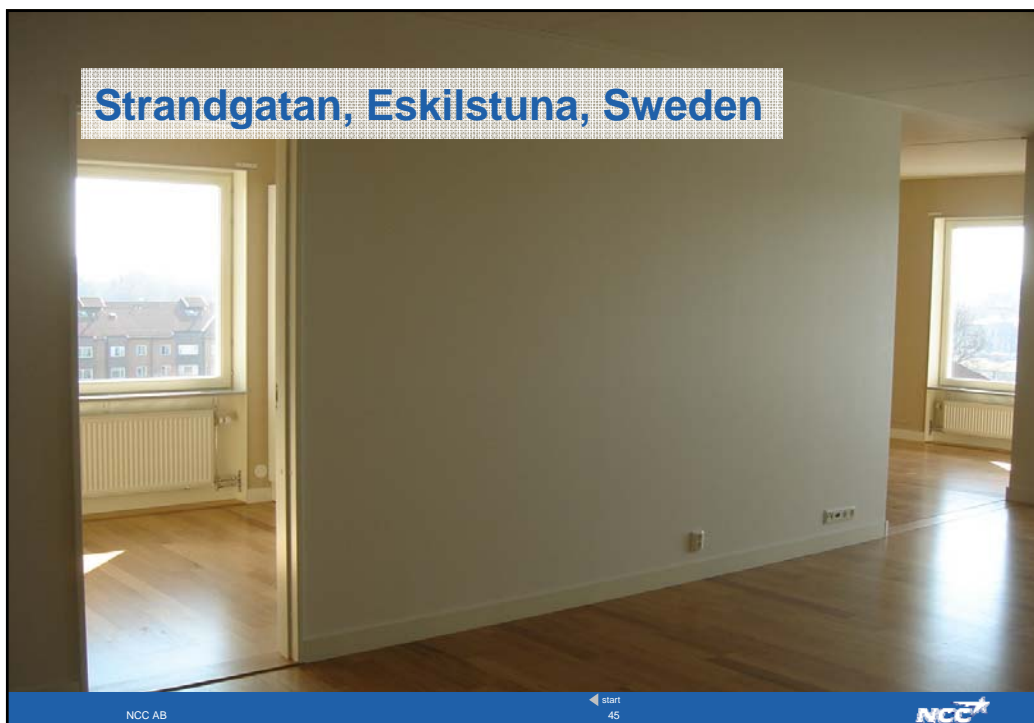


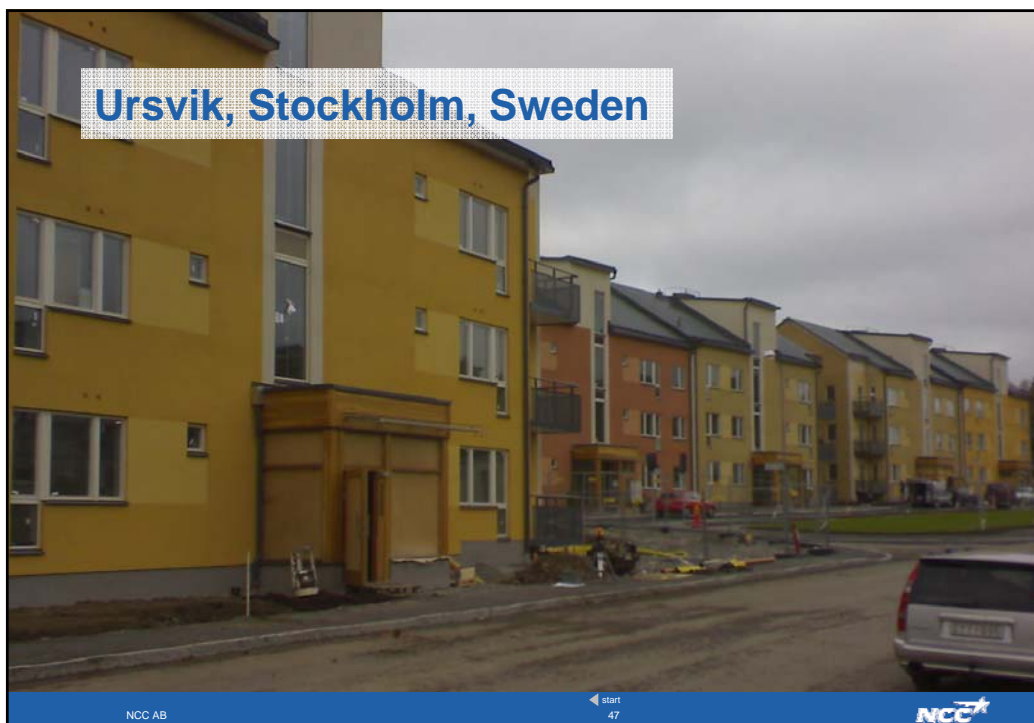
The first buildings

- About 40 apartments was produced during 2006
- The first apartment block has already been completed in Hallstahammar
- Eskilstuna and Sundbyberg are next in line
- Orders have been received for approximately 300 apartments for production in 2007





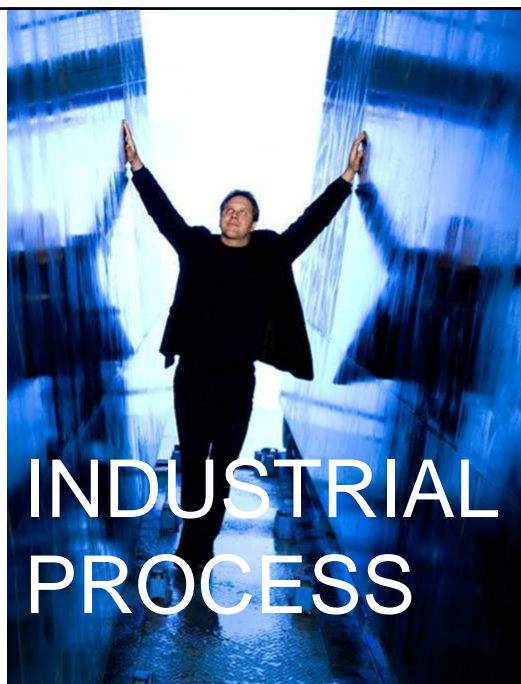






Benefits

- Construction time is halved
- Costs are reduced
- Easier to plan
- Architect has considerable latitude
- Better work environment
- Increased efficiency
- Better logistics
- Lower purchasing prices
- Improved quality control
- Completely weatherproof process eliminates risk of damp-related problems



NCC AB

◀ start
54

NCC★



EXPECT A BIT MORE