A recent, advanced Lintec solution to this is the ACS (= Aggregate Cooling System), which features direct cooling of all aggregates. A patented method has been developed for the purpose of cooling both sand and coarser aggregates with pre-cooled water and a blower system. This cooling system makes it possible to manufacture concrete in a hot desert climate without utilising ice. By utilising the AC system, savings on costs of more than 50% can be attained in comparison with ice cooling.

CC 2000 B concrete mixing plant

There are also new products in the area of concrete mixing plants. The Lintec concrete mixing plant series was enlarged by the CC 2000 B in 2012. This type of plant features the following performance characteristics:

- Plant output: 90 m³/h
- Mixer size: 1.75 m³
- Aggregate batching: 4 compartments with a total 90 m³
- Admixture weighing system: 6 + 6 l
- Transport: inclined conveyor belt with optional housing
- Binding agent silos: fully containerised cement silos of 50 or 80 m³ including foundation frame (up to 6 silos)

LCA – Lintec Concrete Application – a modular concrete conveying and recycling system for the precast industry

Lintec’s approach is a modular system from the mixing plant to the formwork. Self-compacting concrete is conveyed from the mobile mixing plant with fully functional units in ISO containers, via an intermediate storage and pumping module, then spreader system to the formwork. This means that enormous growth in productivity – more than 50% is possible - can be attained in precast production facilities. In particular, mobile precast facilities can be set up and operated in an especially cost-effective way.

One significant issue is dealing with the residual concrete occurring with fresh concrete. As the Lintec system offers a comprehensive solution, a recycling module is an important component of this plant. The module can be expanded in line with requirements for the further utilisation of the recycled product. One version of the Lintec range on offer is a recycling module, which fits under each hopper of a concrete pump.
LINTEC Aggregate Cooling System for concrete decreases the operating costs by more than 50%.

Fully containerized ACS is a perfect solution for a new concrete plant as well as retrofit for an existing plant.

The residual concrete in its still unhardened state is treated in the module using a vibration technique and high-pressure water jet. The concrete is thus not allowed to harden. The water input is extremely low and consequently resources are utilised sparingly. Other material processing stages are possible, if needed. Patents have been applied for both the method and overall modular system design.