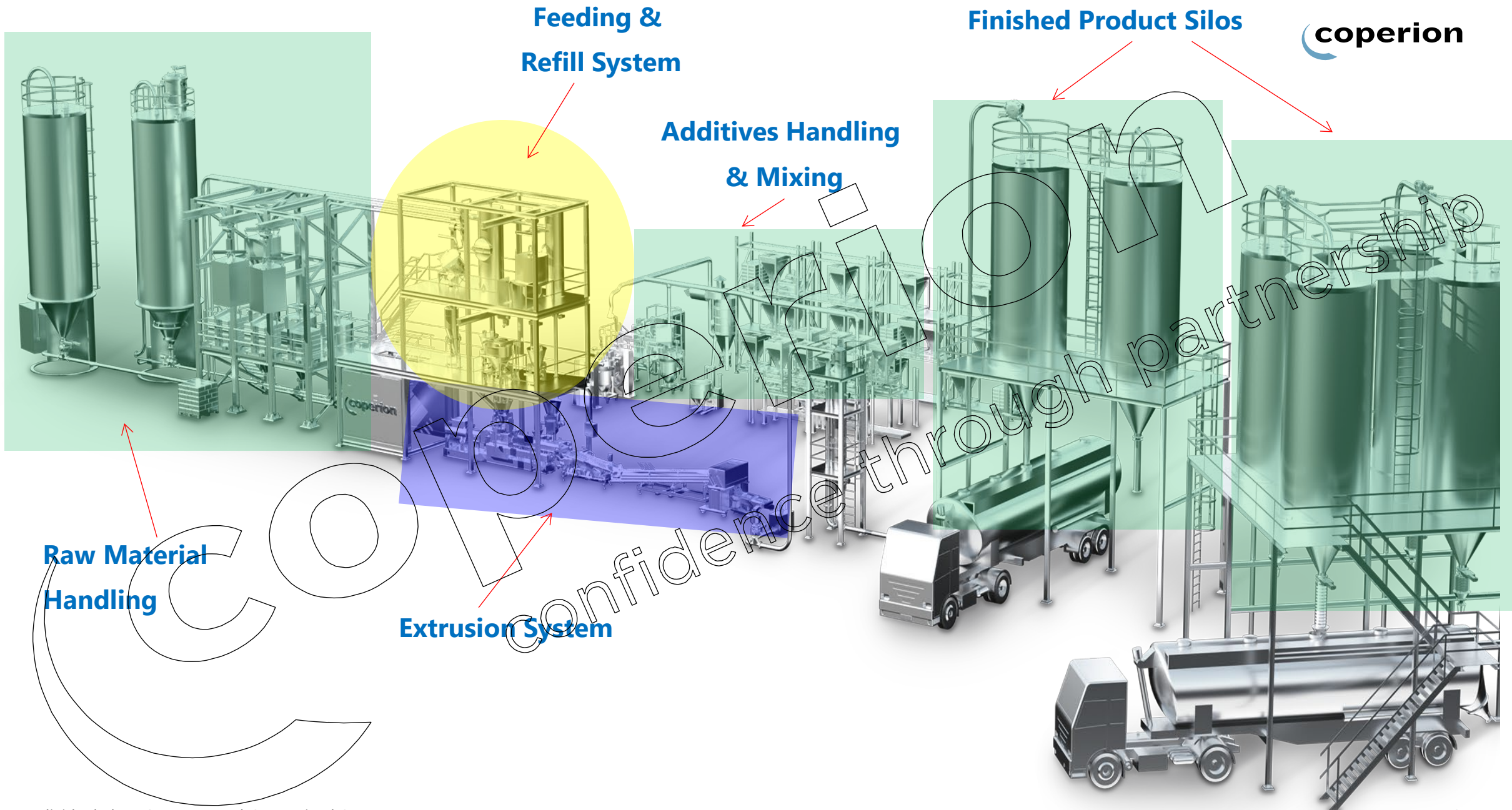




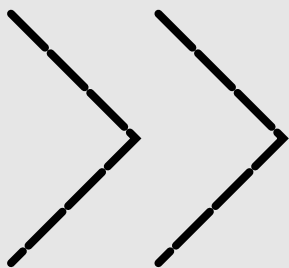
Individual Plant Concepts and Customized Systems: MCP

Roadshow Istanbul Jan 2025

Hakan Karaalioglu
Regional Sales Manager



Individual Plant Concepts and Customized Systems



1

Plant Conception - Basic Considerations

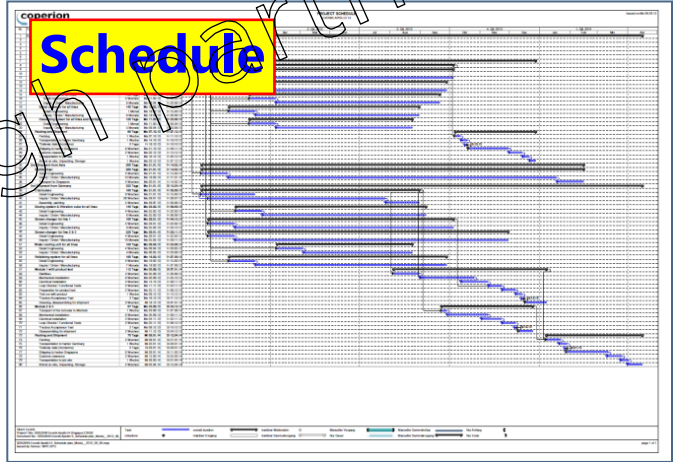
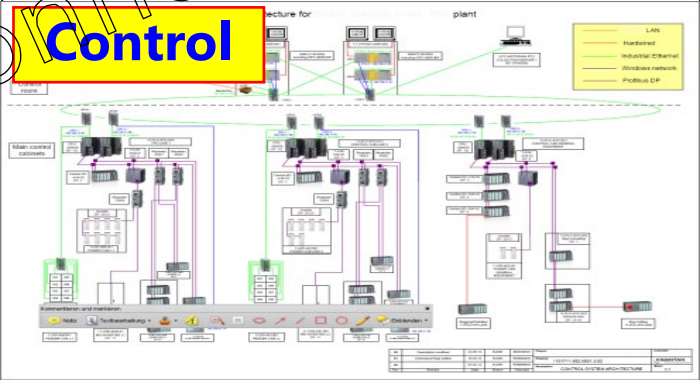
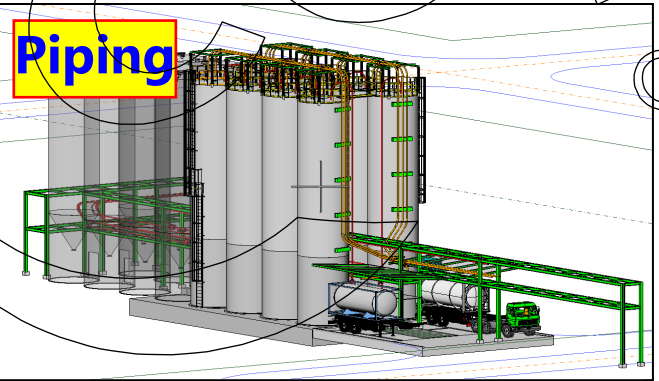
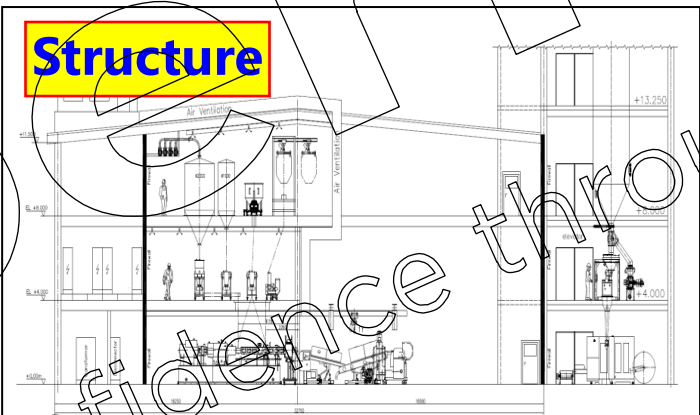
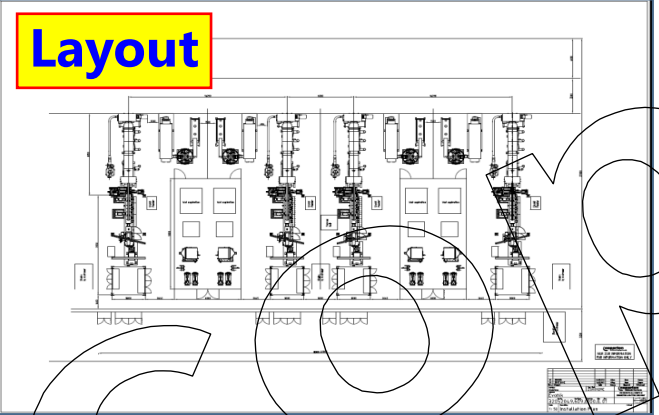
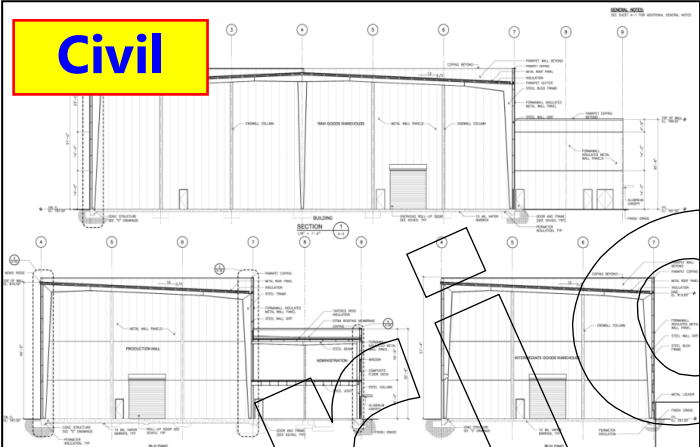
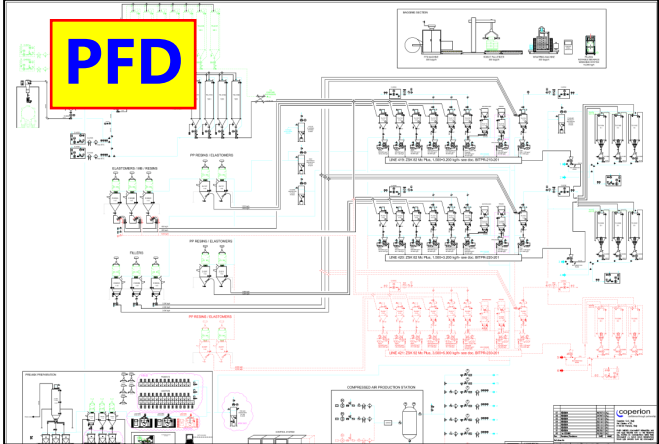
2

Coperion Plants - Purpose and added value

3

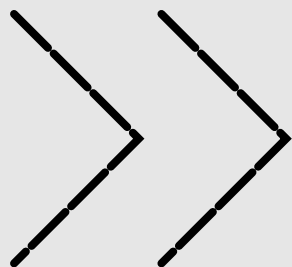
Examples & References Coperion's experience with modular and turn-key systems

Typical Documentation



1

System Integration - The Basics



2

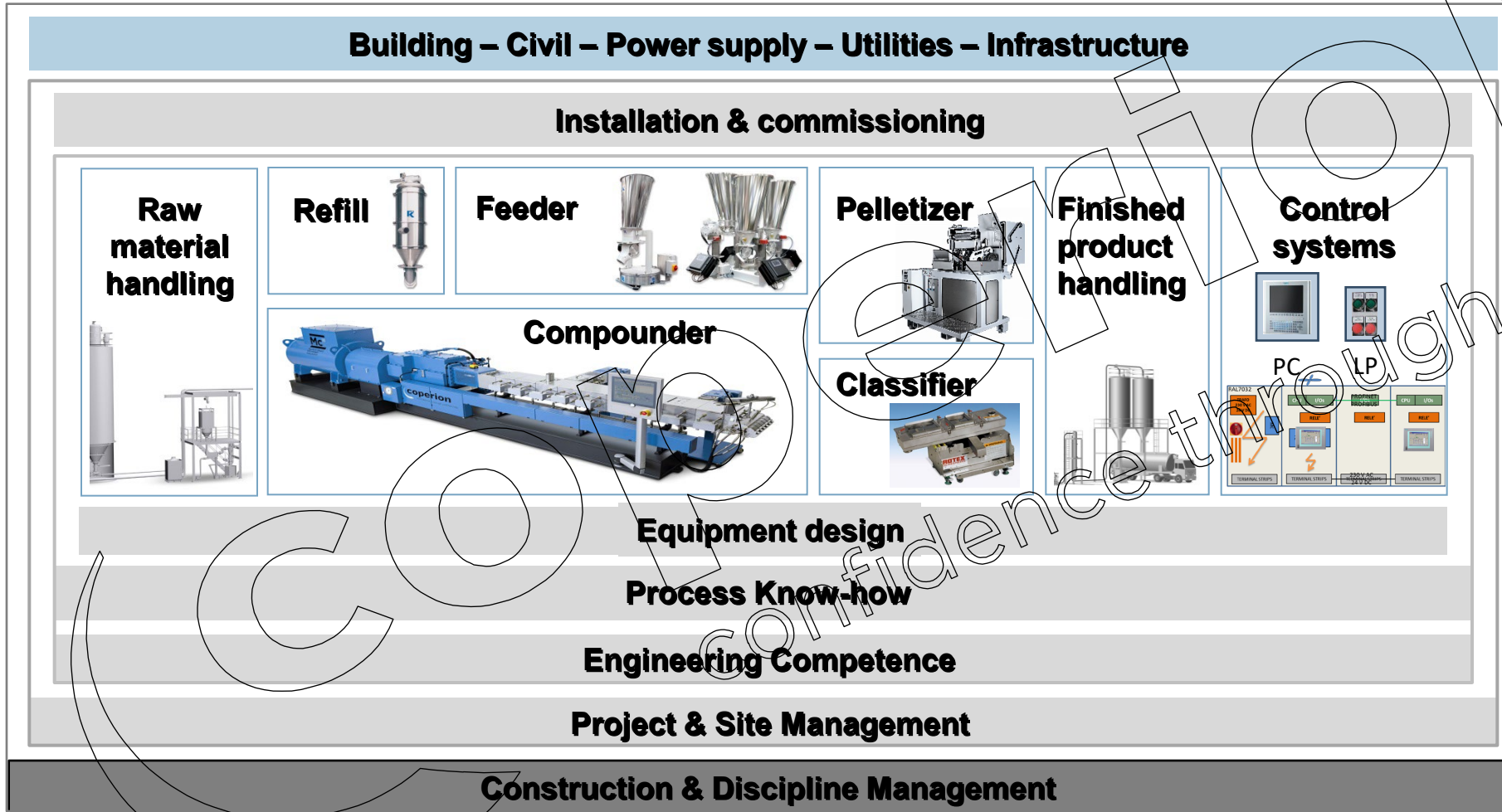
Coperion Plants - Purpose and added value

3

Examples & References Coperion's experience with modular and turn-key systems

Coperion Plants

Own products portfolio - One Envelope for the Key Elements of the Process Scope



Benefits to customer:

- ✓ Reduction in total project cost
- ✓ ensure reliable time schedule
- ✓ have one point contact partner
- ✓ get worldwide service support

1

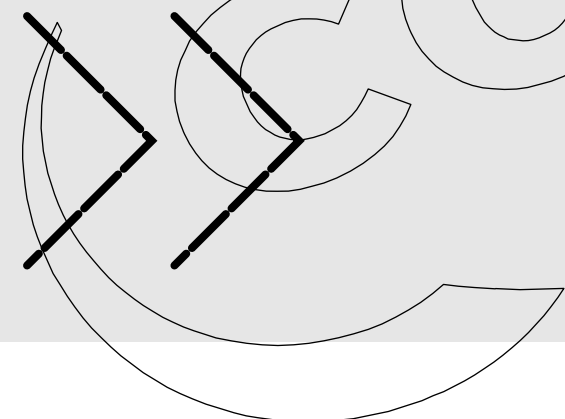
System Integration - The Basics

2

Coperion Plants - Purpose and added value

3

Examples & References Coperion's experience with modular and turn-key systems



Turnkey Processing Plants

Compounding plant for PA/PBT in Asia



- ✓ Raw material silos
- ✓ 3 extrusion lines
- ✓ bagging & packaging
- ✓ steel structures
- ✓ waste air treatment
- ✓ finished good silos
- ✓ control system
- ✓ complete installation

Turnkey Processing Plants

Compounding plant in Scandinavia



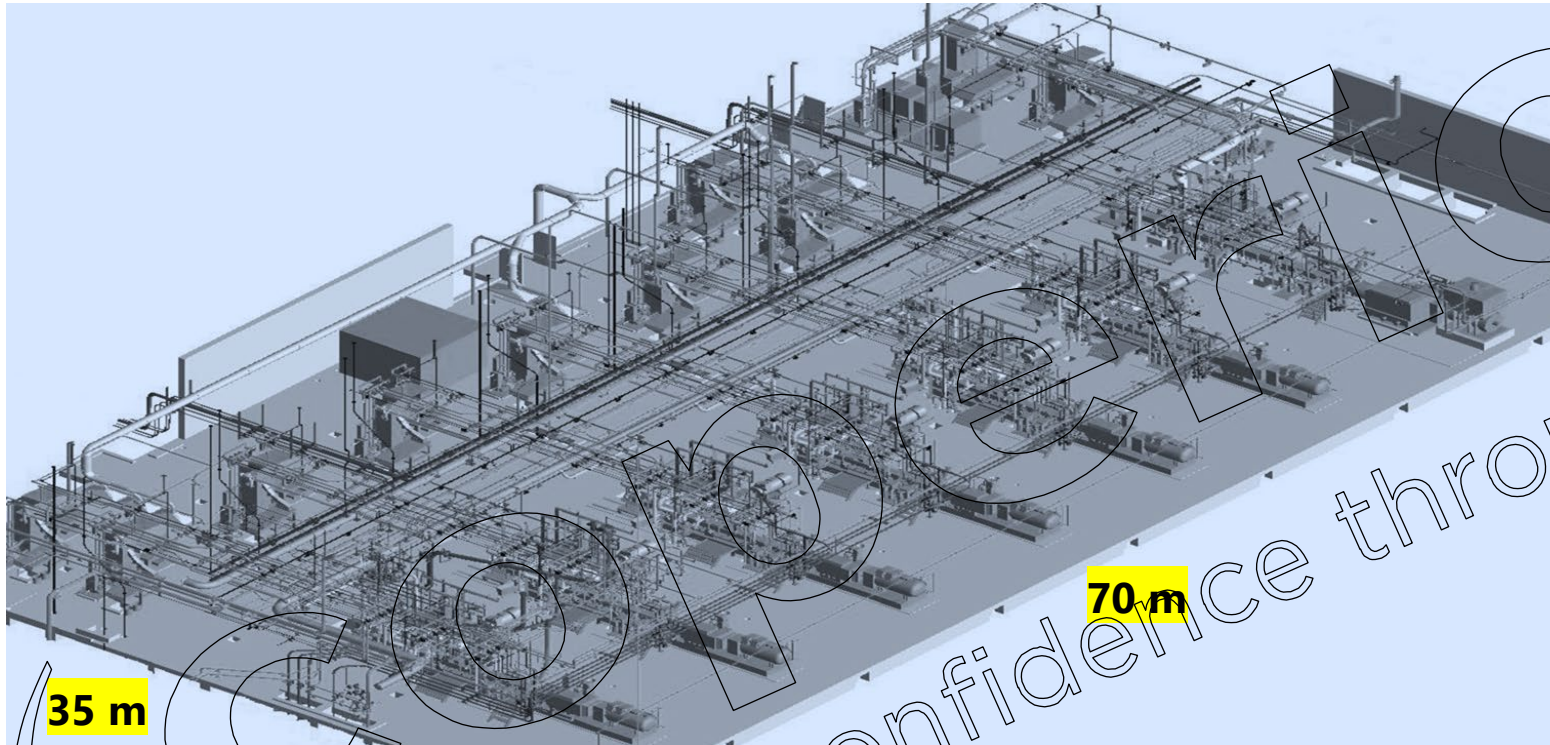
- ✓ Integration into existing building
- ✓ Raw material handling
- ✓ Raw material drying
- ✓ Feeding systems
- ✓ Extrusion line
- ✓ Pelletizer
- ✓ Finished good drying
- ✓ Finished good cooling
- ✓ Bagging



Individual Plant Concepts and Customized Systems

Turnkey Processing Plants

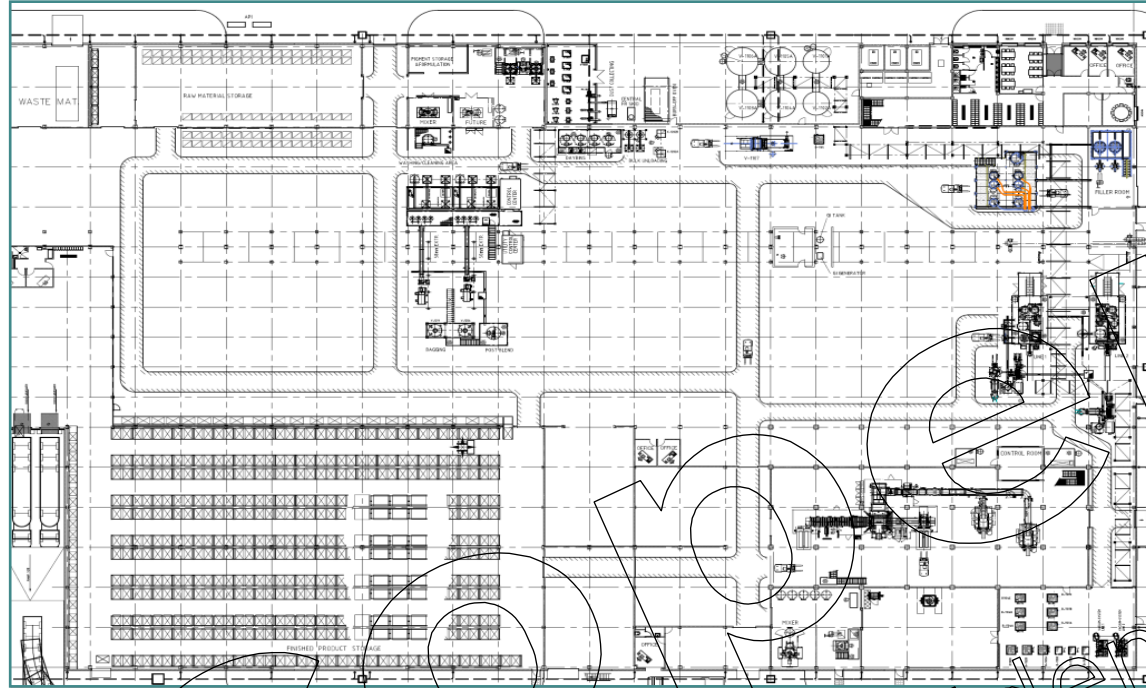
Systems for the production of engineering plastics in Europe



- ✓ 7 extrusion lines
- ✓ 3 separate pelletizing lines
- ✓ conveying systems for raw and finished product
- ✓ storage silos (50) & silo structure
- ✓ utility network from client's tie in
- ✓ power supply for the system

Turnkey Processing Plants

Complete Compounding Plant KSA

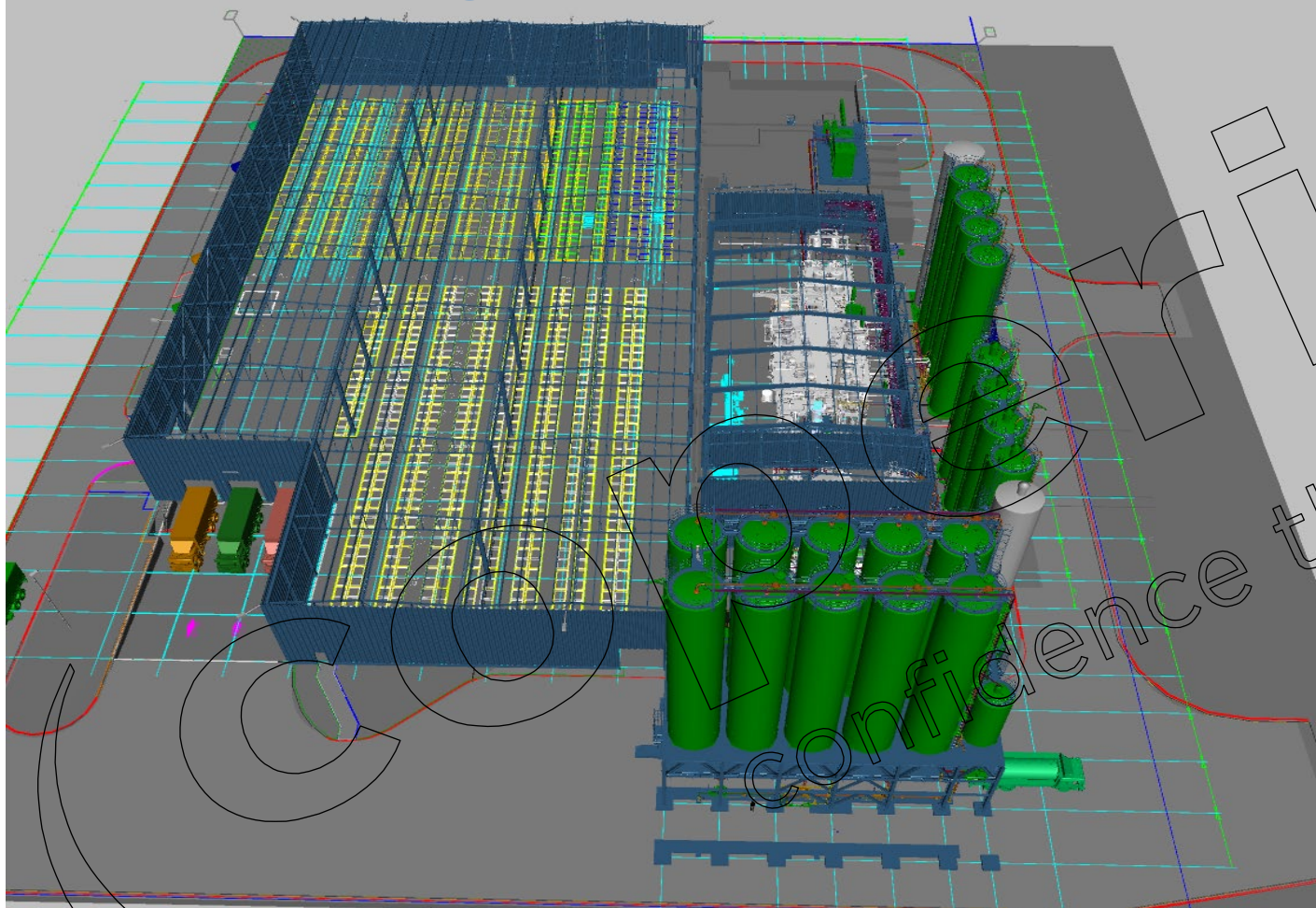


Individual Plant Concepts and Customized Systems

- ✓ Integration of a compounding plant with **4 extrusion** lines in an existing building
- ✓ Extruders incl. LIW Feeders and pre-hoppers as **modularized system**.
- ✓ Raw- and finished Product storage & Handling
- ✓ Packing and Palletizing
- ✓ Demolition of old facilities
- ✓ Piling, Foundations, steel structures, building modifications and all other required civil works
- ✓ Utilities generation and distribution system
- ✓ All other services and supplies to build a complete plant.

Turnkey Processing Plants

Complete Compounding Plant Europe



- ✓ Compounding Plant on **Green Field**
- ✓ Production **Building**
- ✓ **Office** /Maintenance Complex
- ✓ Warehouse incl. logistic Office
- ✓ **Roads**, Parking's and other open areas
- ✓ Piling, Foundations, steel structures, and all other required civil works
- ✓ **Utilities** generation and distribution system
- ✓ All other services and supplies to build a complete plant.

Turnkey Processing Plants

PA PBT Compounding Plant in Asia



- ✓ Modification / Extension of existing plant
- ✓ 4 Extrusion Lines
- ✓ Feeders, Strand Pelletizer etc.
- ✓ Raw Material Mixing
- ✓ Bagging and Packaging
- ✓ Steel Structures
- ✓ Installation & Commissioning

Turnkey Processing Plants

Complete Plant for PA6.6 + 30-50% GF in Europe



- ✓ raw materials handling
- ✓ receiving and conveying,
- ✓ feeding, extrusion, automatic strand pelletizing system,
- ✓ FP Silo
- ✓ utilities,
- ✓ steel structure
- ✓ Control system
- ✓ complete installation

Turnkey Processing Plants



Compounding plant for PA/PBT in Asia



- ✓ RM Handling (Truck unloading, Silos, BB stations, Piping & Conveying)
- ✓ Mixing stations
- ✓ Feeding systems
- ✓ Extruders
- ✓ Pelletizing systems, Classifier, Spiral Conveyor
- ✓ Finished Good Handling (Conveying, Silos, Cleaning system)
- ✓ Packaging lines for Bag and BB
- ✓ Steel structures (430 tons) and piping systems (7,6 km)
- ✓ Auxiliaries (Water treatment, Cleaning oven, Dry and Wet aspiration)
- ✓ Entire control system with hard- & software and cables (78 km)
- ✓ Site management and supervision by multiple Coperion sites

Turnkey Processing Plants

2extrusion lines for Middle East



- ✓ Modularized Systems
- ✓ Delivery in several containers
- ✓ Each line as a plug and play system
- ✓ Pre-commissioning (until ready for start-up) in Coperion premises

Our references

Some of our Customers



Individual Plant Concepts and Customized Systems



Thank you
very much for
your attention.

You're very welcome to follow us.

