



DESIGNED AND MADE IN EUROPE:



Small is beautiful...

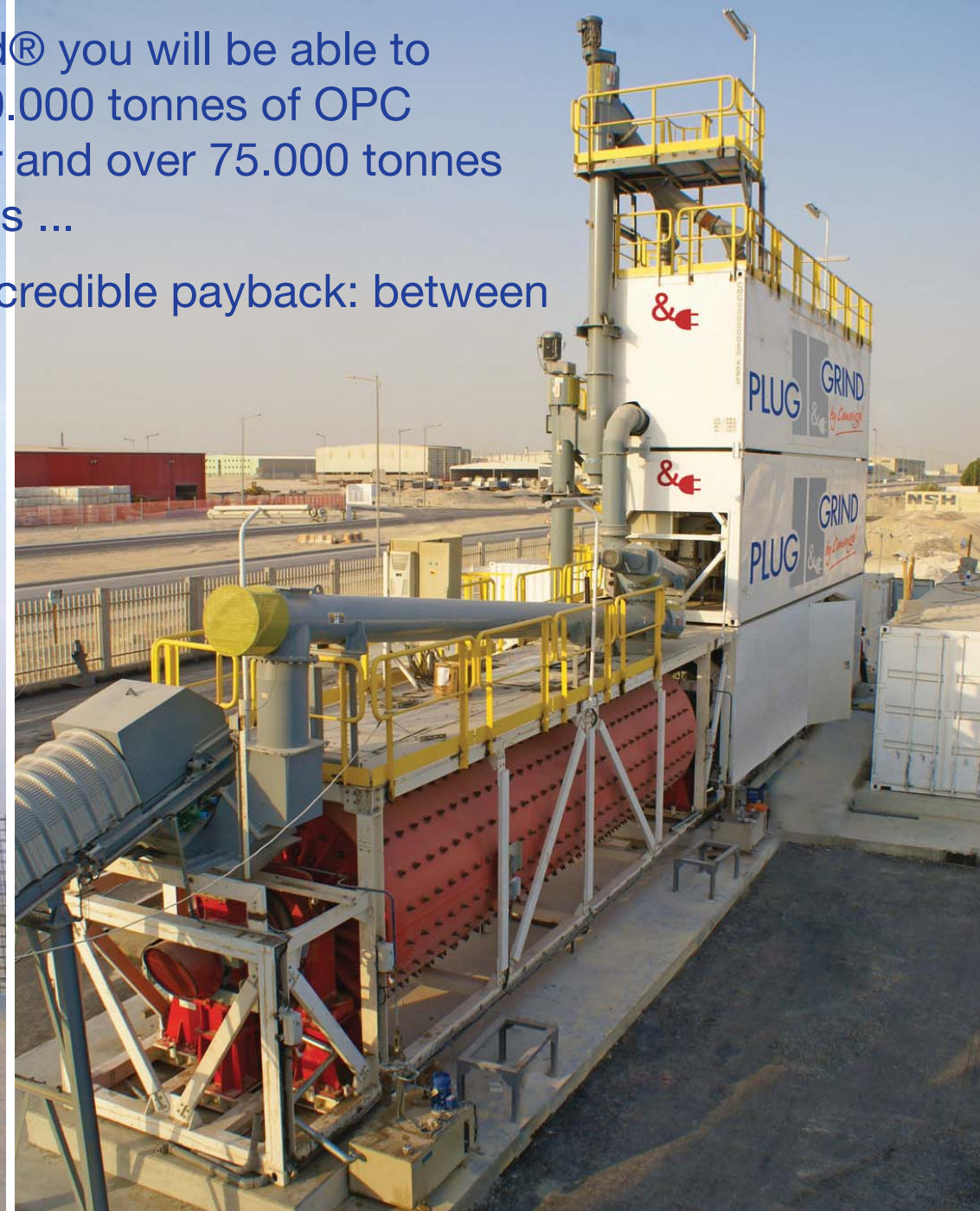
■ Can you imagine having your
own cement and slag grinding plant
in a space similar to a basketball court?





With Plug&Grind® you will be able to produce over 90.000 tonnes of OPC cement per year and over 75.000 tonnes of grinded slags ...

...with an incredible payback: between 1 & 2 years.



A portable solution...

This modular patented design allows you to be close to small local markets inaccessible to bigger plants.



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www.cemengal.com | For extra information please contact CEMENGAL's local agent or email us at:
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Follow your markets...

The P&G will simplify the trading operations and quickly follow the market demand.



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Simple installation!

We have put all our experience, acquired during these last 25 years, into our Plug&Grind® design



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¿How beautiful is it?

- Modular design: the P&G® fits in just 8 No standard 40” containers.
- Short time to market: delivery FOB 8 months.
- Preassembled: low on site activities.
- Easy to transport and install.
- Simple civil works.
- Simple operation & maintenance
- Can be operated with 4 employees per shift
- Strategic for penetration into new markets



Module #1 and 2: Dosing System

3 covered bins with its dedicated weighfeeders. Allowing you to use 3 different raw materials.

- Main hopper's capacity: 13 m³.
- Additives hoppers' capacity: 6.5 m³.

2 of the bins designed with steep valley angles for dosing sticky materials as gypsum or puzzolana.

Total mixture moisture <1,5%



Module #1 : 3 Feed bins



Module #2: Dosing System



Module #2: Conveying System



Module #3: Grinding

- This 500 kW ball mill, based on Cemengal's long experience, is reliable and simple to control.
- High quality liners and grinding media are provided in separate containers included in the package.
- Central drive gearbox and squirrel cage motor with frequency converter



Module #3: Grinding



Module #3: Grinding



Module #4: Classification & Filtering

- The 3rd generation dynamic separator allows to produce high Blaine cements.
- The bag filter guarantees dust emissions below 10 mg/Nm³.
- 25.000 m³ fan.



Module #4: Classifier and bag filter



Module #4: Classifier and bag filter



C4

C-4

Module #5: Product Buffer

- Buffer's capacity: 20 m³.



C5

Module #5: Product Buffer

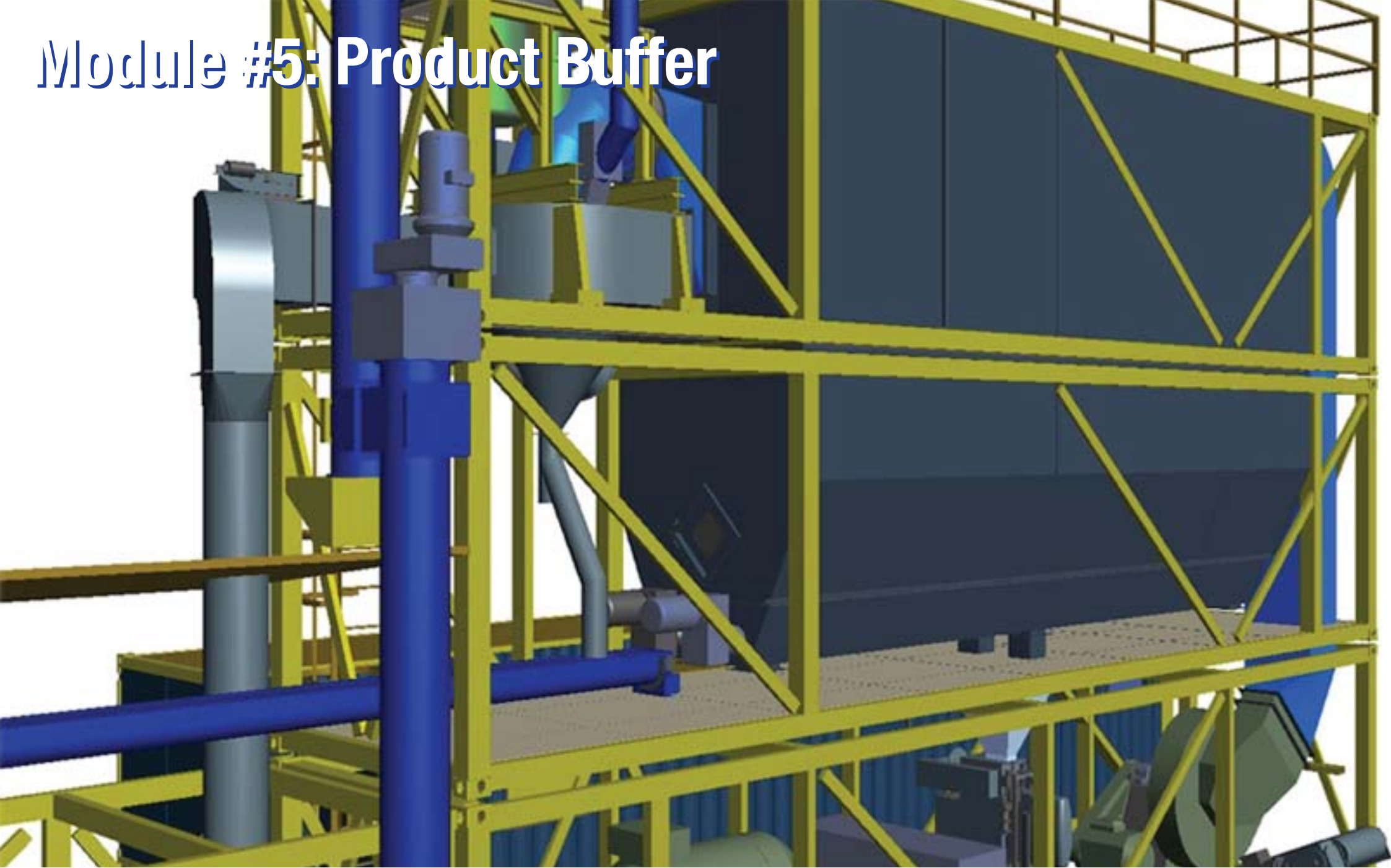


Module #5: Product Buffer

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Module #5: Product Buffer



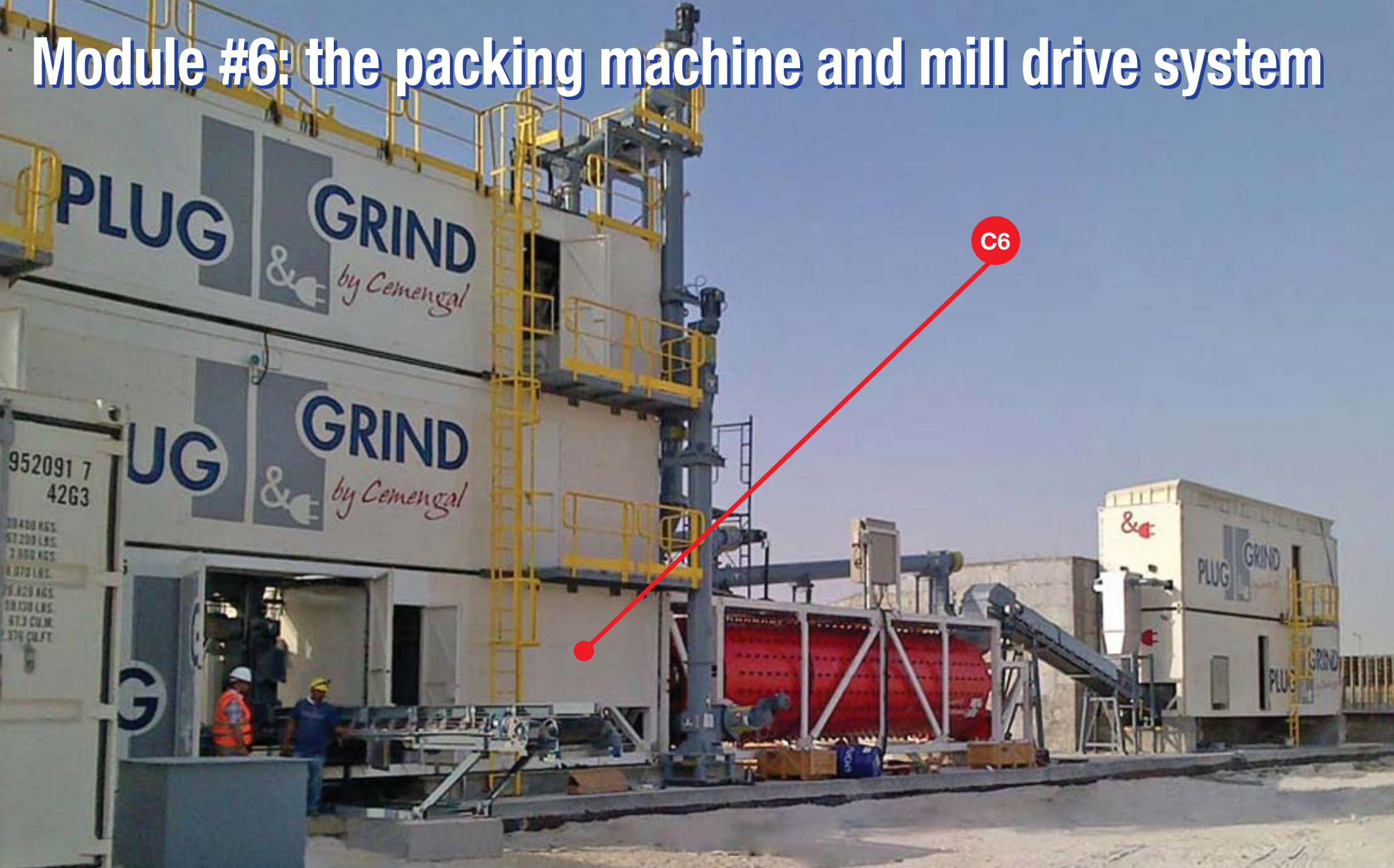
Module #6: the packing machine and mill drive system

- One spout packing machine: two hundred cement bags per hour.
- High quality planetary central drive system.
- Compressed air system.



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Module #6: the packing machine and mill drive system



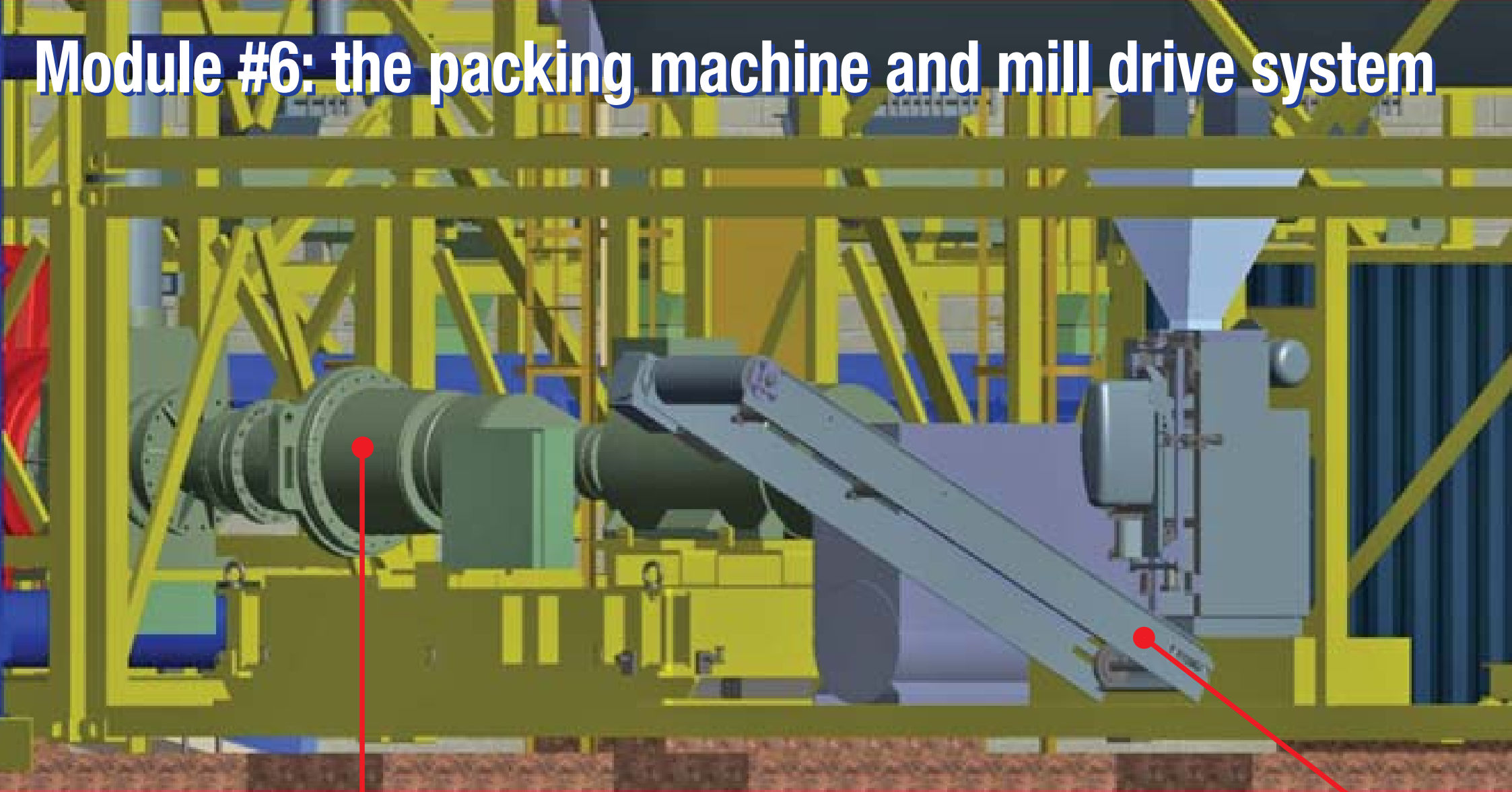
Module #6: the mill drive system



Module #6: the process fan



Module #6: the packing machine and mill drive system



Mill drive

Packing unit

Module #7: Electrical & control room

- The electrical and control room includes the control system of the whole plant.
- Additionally, the sales office will be placed in a separated room of the same container.



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Module #7: Electrical & control room



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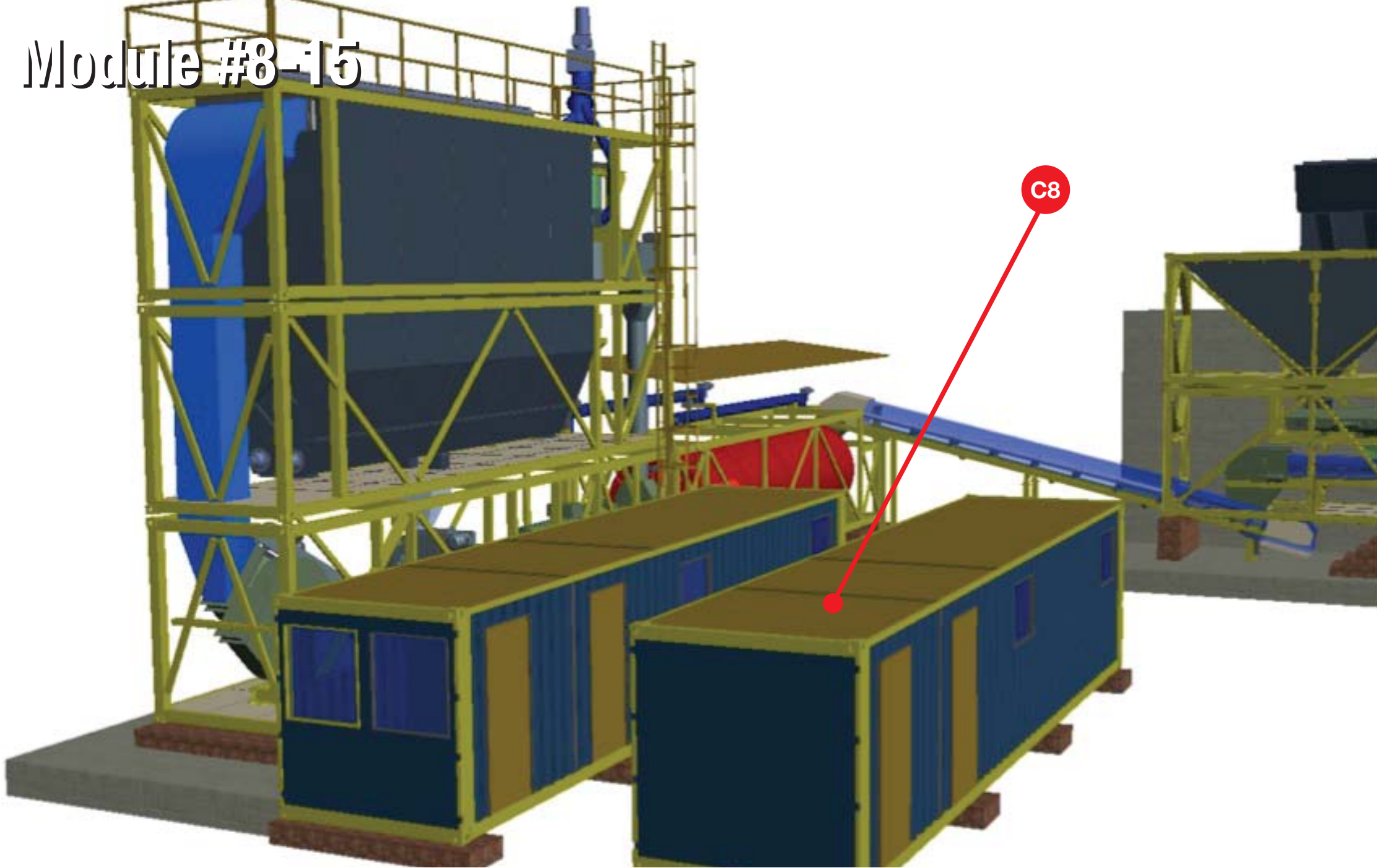


Module #8-15

Loose items will be shipped in separate containers #8-15 for their final erection on site..



Module #8-15



C8

Module #8-15

