

## 1200 t Silo Weighing

Silo weighing with 4 x 300 t weigh modules

**Application:** Process Weighing

**Industry Sector(s):** Steel and Mining

### The Customer

Iron mine in the northern parts of Sweden, with refining of the ore to iron.

### Customer Inquiry

The customer is building three large silos for iron pellets for stock at the harbor. From here ships are loaded with the iron pellets for shipping. The customer wanted low-profile 300 t capacity weigh modules to be developed together with them for this application.

### Solutions and Equipment

The silos are hanging down into large concrete and steel constructions, where side-load effects and uplift forces are minimal. Therefore bolt sizes could be kept at a lower range. The solution was custom-made versions of the KIMD-M, alloy steel yellow chromate, with specially adapted load plates.

The KIMD-M is a low-profile unit with supreme accuracy at this high range with a relatively low cost. The unit is very easy to customize according to customer needs.

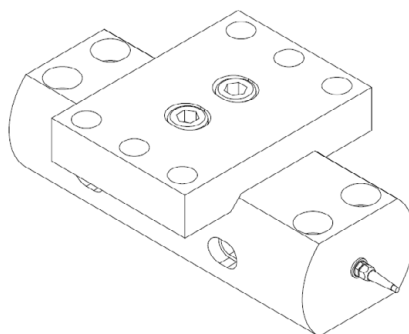


Figure 1: KIMD-M, 3 MN weigh module

We delivered:

- 12 x KIMD-M (custom), 3 MN weigh modules
- 1 x G4 panel-mount instrument with 3 weighing channels and Profibus communication
- Stainless steel cabinet for mounting of the G4 instrument

## Customer Comments

The low profile and the customized unit for this application made the construction and installation of the silos a lot less complex.

***“Customized units made the construction and installation a lot less complex”***

Click here to open the Web version: <http://www.vishaypg.com/process-weighing/case-study/41002/>

(The Web version offers further hyperlinks to up-to-date product datasheets and other related documents like manuals, brochures, videos, and more)

## Contact Information

Americas

[pw.usa@vishaypg.com](mailto:pw.usa@vishaypg.com)

Europe

[pw.eur@vishaypg.com](mailto:pw.eur@vishaypg.com)

China

[pw.prc@vishaypg.com](mailto:pw.prc@vishaypg.com)

Taiwan

[pw.roc@vishaypg.com](mailto:pw.roc@vishaypg.com)