

MIX-R Kft.

Company Presentation

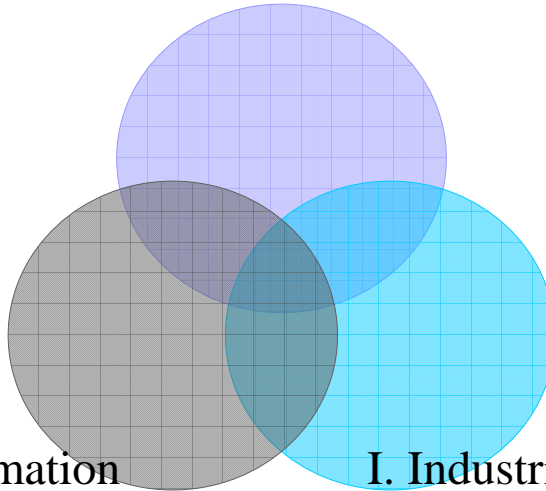
Richard Kojedzinszky managing director

Basic company information

- Founded in 1990.
- Owned by two people
- Registered capital: 3.000.000 Ft
- Equity capital (2012) 24.692.000 Ft
- Revenue per year (net): 25-50 mFt
- Profitable since its foundation

Business activities

III. Special, customized applications

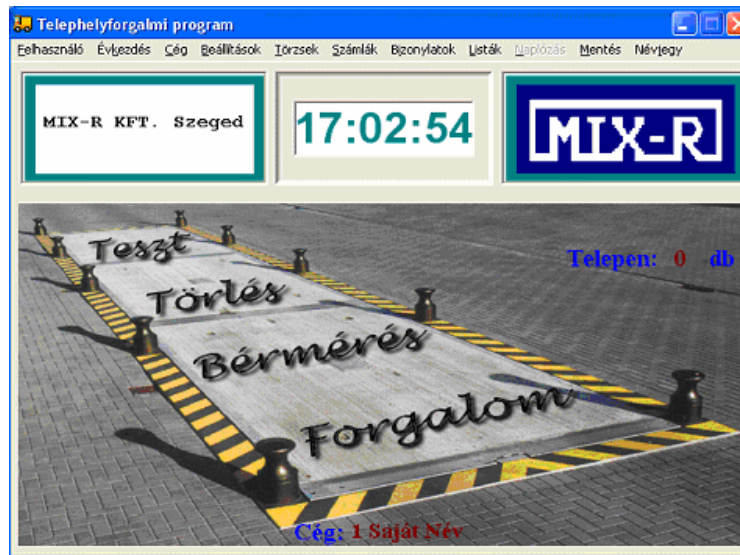


II. PLC-PC based automation

I. Industrial plant traffic management

I. Industrial plant traffic, scale systems:

General and/or waste landfill site traffic system:



- More than 300 locations in Hungary
- The only „off the shelf” product of the company
 - Being developed since 1998
 - Latest version: 7.0 (SQL)

I. Industrial plant traffic, scale systems:

- Special applications:

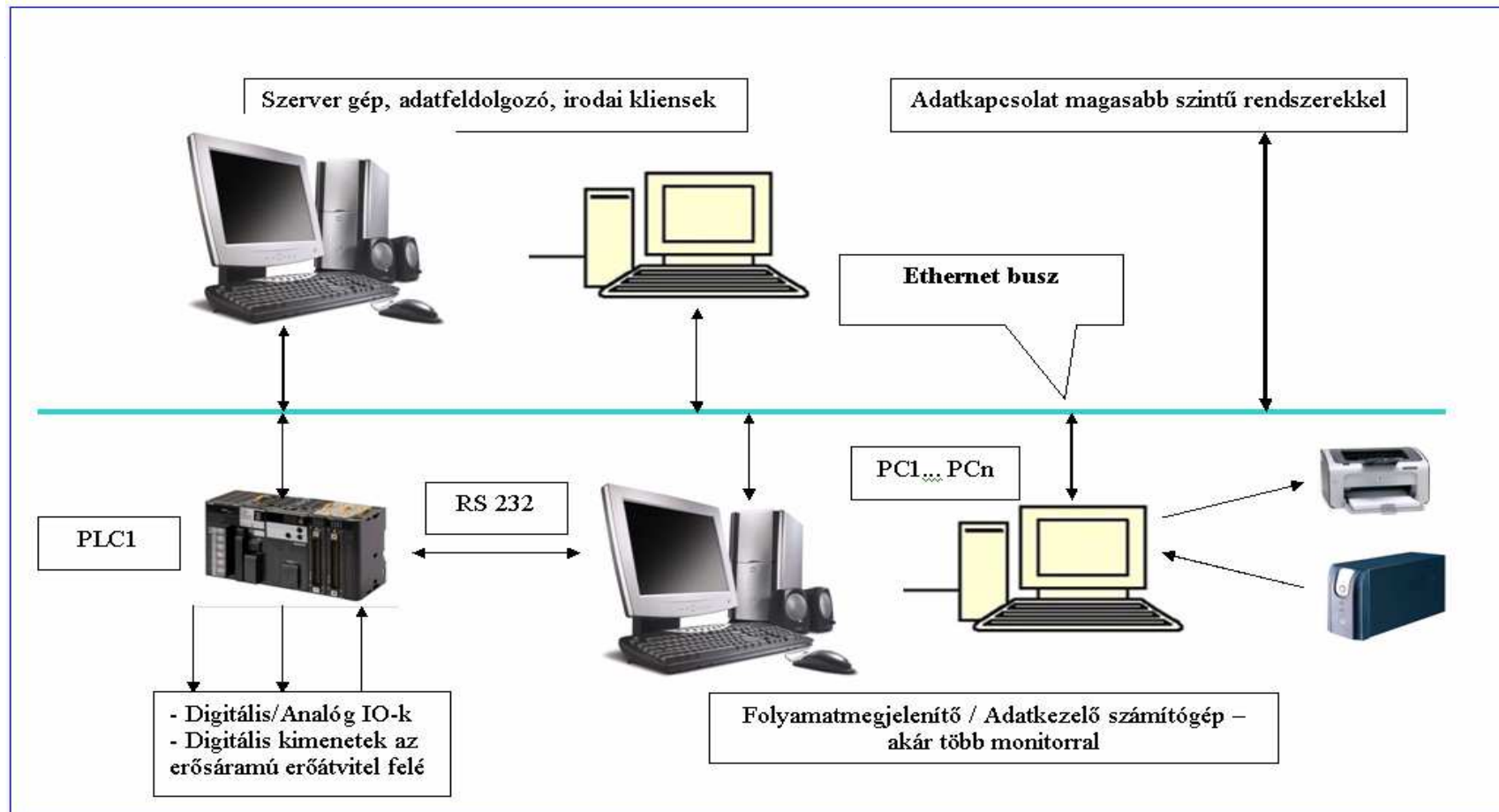
Összefoglaló táblázat a MIX-R Kft. egyedi telephelyforgalmi rendszereiről

Ssz.	Felhasználó	Főbb rendszer jellemzők
1.	Ártándi Kavicsbánya	Speciális, nagyforgalmú, export kiszállítás
2.	A TEV Mátyásdomb	RF ID azonosítás, speciális anyagok kezelése
3.	Coca-Cola Dunaharaszti	Vonalkódkártyás azonosítás kültéri terminálon, jelzőlámpa vezérlés, adataexport
4.	Eastem Sugar	Répaátvételi rendszer
5.	Hankook Hauwell Dunaujváros	Lámpavezérlés, kamerás pozíció ellenőrzés
6.	IMI Iklad	Induktív hurok fogadás, jelzőlámpa vezérlés, rendszámfelismerés
7.	Júlia Malom	RF ID azonosítás, elektronikus pozíció ellenőrzés
8.	Henkel Körösladány	RF ID azonosítás, ellenőrzött, ismételtető jármű töltés, szerződés kezelés, logisztika, anyag és áru be/kiszállítás, üzenetküldés, ... stb.
9.	Szennyvíztisztító Csepel	Rendszám felismerés, lámpavezérlés, IP kamerás pozíció ellenőrzés
10.	CTC Tiszaújváros	Vonalkódkártyás azonosítás kültéri terminálon, szöveges tájékoztatással, laborvizsgálati eredmények integrálása, külföldi rendszámú járművek kezelése
11.	Alcoa-Köfém Székesfehérvár	Nagyforgalmú telep, 5 hidmérleggel
12.	Unilever Nyírbátor	Vonalkódkártyás azonosítás kültéri terminálon.
13.	Cargill Magyarország (18 telepen)	Infrasorompós pozíció érzékelés, beltartalmi értékek meghatározása, feldolgozása
14.	LIDL Magyarország 31 logisztikai központja	IP kamerás, infrasorompós pozícióérezkelés, másodkijelző, automatikus működésű jelzőlámpa vezérlés

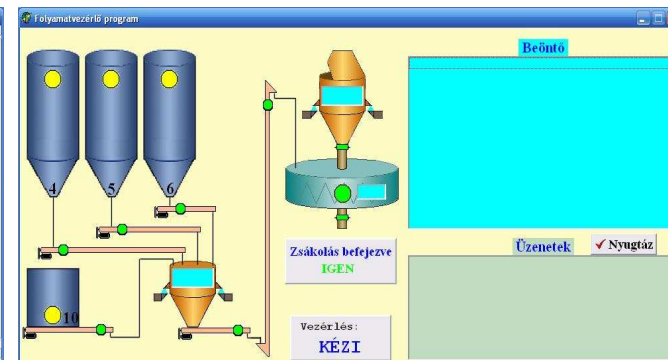
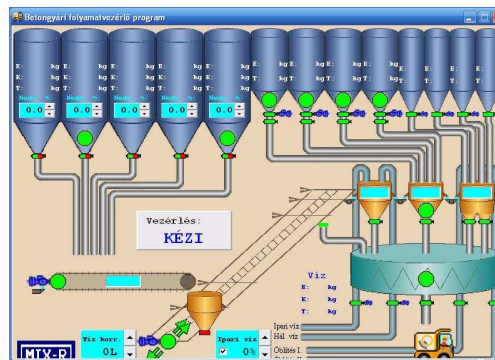
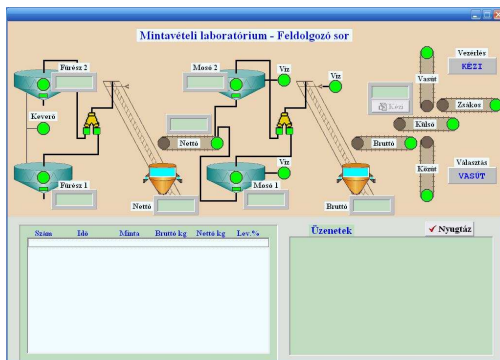
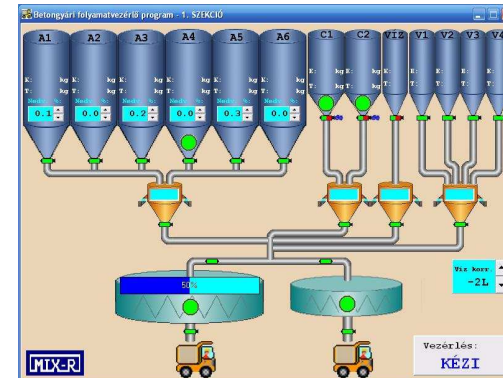
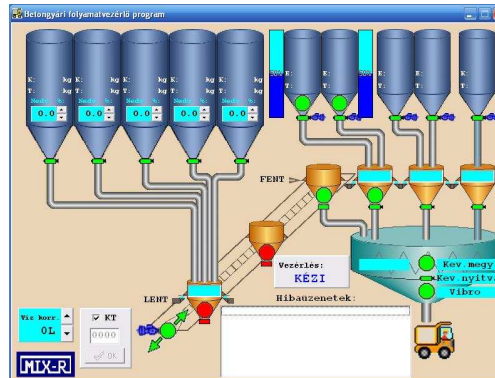
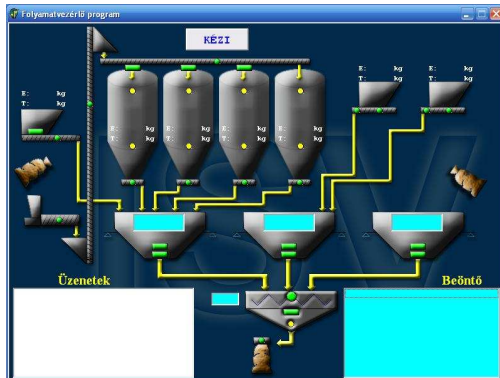
II. Major building blocks of process control systems

- Electronic scale in most cases
- Devices to measure various analogue signals as
 - Level transmitters,
 - Humidity meter,
 - Pressure meter,
 - Thermometer, ... etc.
- Process control PLC – for receiving digital IO
- Process monitor – data handling PC, + accessories (UPS, printer,...etc.)
- Local operator panels – displays
- Network equipment (intranet, internet, firewall, router, ... etc.)
- Cloud based services

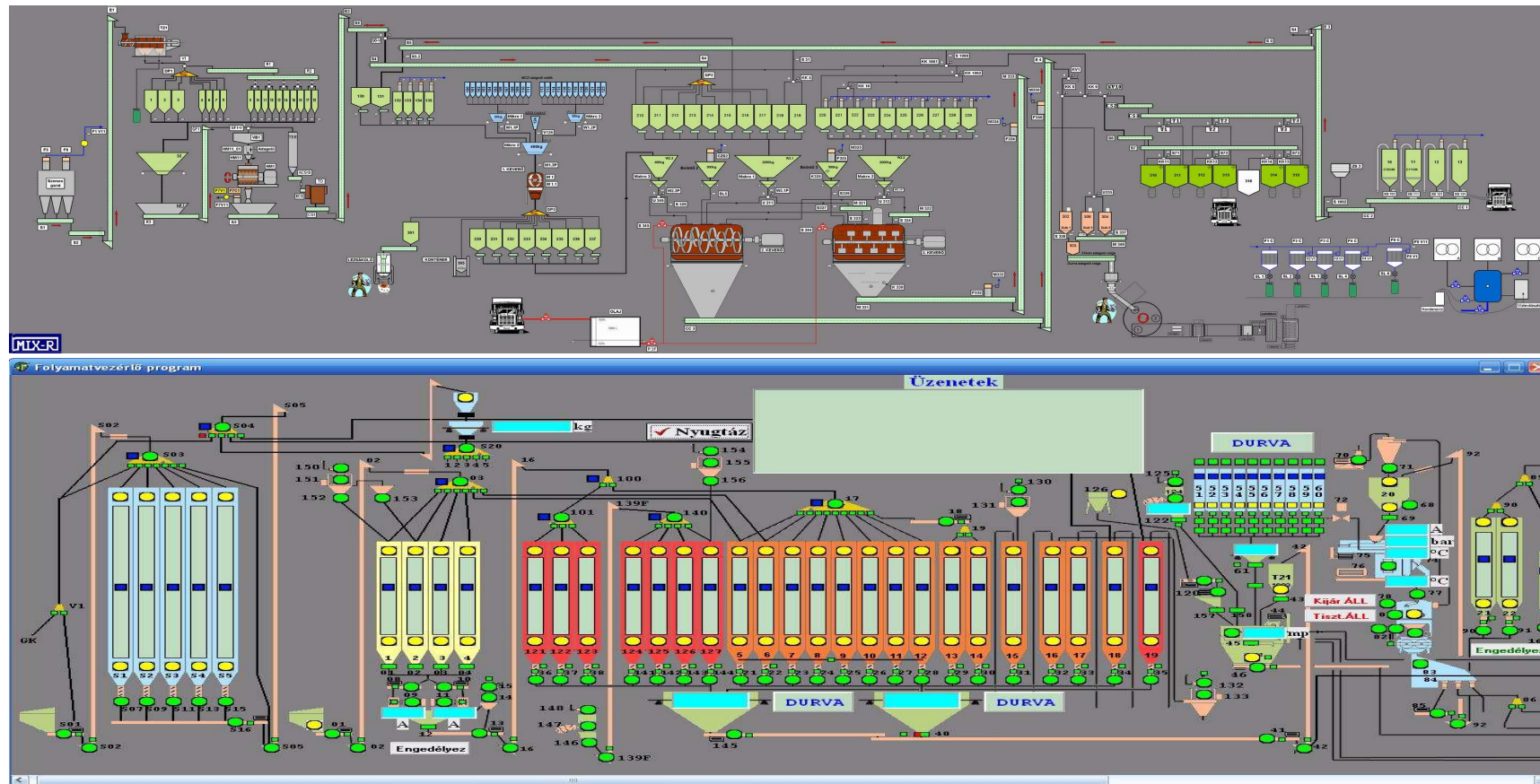
II. Structure of process control systems



II. Process control references (simple systems)



II. Process control references (large systems)



II. Process control references

Feed mixers (silos):

Agromix Kft. - Mátészalka
Balmazújváros
Keller Alexander - Dobron Ukrajna
Dunaszekcső - Duna-Táp Kft.
Földeák - Agroföldeák Kft.
Harta
ISV Zrt. – Nyírtelek
Jászapáti 2000 Mg Zrt.
Kel-Feder Kft. Tompa
Csalava László ec. Komárom
Kondoros - ABOMIX Zrt.
Trouw Nutrition Hungary Kft. - Környe
Kőröstarcsa - Takarmányfeldolgozó Zrt.
Misicevo Szerbia
Multiker Kft. Városföld
Nagydorog - ISV Zrt
Páhi - Páhifarm Kft.
Pécsvárad - Agrover Zrt.
Pigmark Kft. - Szeged
Répcelak
Tiszadob
Törtel - Törteltáp Kft.
Tótkomlós - Horváth Sándor ec.



II. Process control references

Concrete producers:

Argomex Kft.
Mediterrán Magyarország Kft - Bóly
Mediterrán Magyarország Kft - Farkasd
Mediterrán Magyarország Kft - Kunszentmiklós
Holcim - Délbeton Kft.
TBG Kft. - Eger
TBG K- Kft. Kaposvár
Ferrobeton Zrt. - Dunaújváros
Hird
X-Iksz Bt. - Gyula
X-Iksz Bt. -Békéscsaba



II. Process control references

Food processing

Szerencsi Csokoládégyár
Magyar Cukor Zrt - Kaposvár
SaraLee Kft. - Budapest
Zwack Kft. - Budapest



Chemical industries

Pannon Aldra Kft. - Budapest
CTC Kft. - Tiszaújváros
Michelin Zrt - Budapest
Michelin Zrt. - Nyíregyháza
PolyOne Kft. - Győr
MOL Zrt - Algyő

II. Process control references

(From the past 10 years)

- ABO MIX ZRT - KONDOROS
- AGROFÖLDEÁK KFT - FÖLDEÁK
- AGROMIX KFT - MÁTÉSZALKA
- AGROPIG KFT - ALSÓMOCSOLÁD
- AGROVER ZRT - PÉCSVÁRAD
- AGROVET ESTABLISHMENT – (UKRAJNA)
- ARGOMEX KFT - BÉKÉSSZENTANDRÁS
- BALMAZTÁP KFT - BALMAZÚJVÁROS
- CSALAVA EC. - KOMÁROM
- DUNAGYÖNGYE KFT - DUNASZEKCSŐ
- FERROBETON ZRT - DUNAÚJVÁROS
- HOLCIM ZRT - SZEGED
- IKEA - BUDAÖRS
- ISV ZRT - NYÍRTELEK (3 ÜZEM)
- JÁSZAPÁTI 2000 MG ZRT.
- KEL-FEDER KFT - TOMPAI TAKARMÁNYKEVERŐ ÜZEME
- KÖRÖSTARCSAI TAKARMÁNYFELDOLGOZÓ ZRT
- MAGYAR CUKOR ZRT. - KAPOSVÁR
- MEDITERRÁN KFT - BOLY
- MEDITERRÁN KFT - FARKASD (SK)
- MEDITERRÁN KFT - KUNSZENTMIKLÓS
- MICHELIN ZRT - BUDAPEST
- MICHELIN ZRT - NYHÁZA
- MULTIKER KFT - VÁROSFÖLD
- P&G - BUDAPEST
- PANNON ALDRA KFT - BUDAPEST
- PATENT CO. - MISICEVO (SRB)
- PIGMARK KFT - SZEGED
- POLY ONE KFT - GYŐR
- PRAKTIKA KFT - TÖRTEL
- RÁBAMENTI TAKARMÁNY ÉS HÚSTERMELŐ ZRT - RÁBAKECÖL
- SARA LEE HUNGARY ZRT - BUDAPEST
- TBG - EGER
- TBG - SZOMBATHELY
- TBG OTOLECZ - KAPOSVÁR
- TROUW NUTRITION KFT - KÖRNYE
- VISONKA KFT - PÁHI
- X-IKSZ KFT - BÉKÉSCSABA
- X-IKSZ KFT - GYULA
- ZWACK UNICUM - BUDAPEST

II. Devices used, suppliers

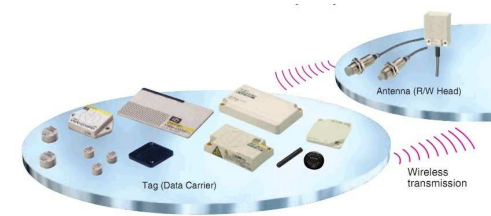
- OMRON
- Advantech
- Siemens
- Schneider Electric
- Saia Burgess
- Star
- Cyclops licence plate recognition
- METTLER TOLEDO



Stereo Vision kft



II. Some typical device, equipment



III. Special customized applications

- **In general terms:** All applications that are not for office use, such as
 - Sugar beet takeover/accounting system - ES
 - Scaling (as callable subprocess)
 - Warehouse stock registry
 - Brooder plant process control
 - Personal entry control systems
 - Camera systems, primarily for technological purposes
 - Mikrowave, RF, WiFi, internet data transfer – security, monitoring.
 - Special – eg. Hazardous – waste management programs
 - etc.
- There is no scale in the country that we have not had to communicate to.
- There is no intelligent device, that we could not connect to. (Humidity meter, grain measuring/analyzing tools, ... etc.)

Services

We take care of our customers!

Utilizing electronic and internet based technologies we provide services to our Customers that will support continuous and safe operation. In the support contract we provide continuous assistance, and in the predefined cases we

- Send SMS (text) notification,
- Automatic e-mail notification,
- On line view of critical applications on mobile devices (iPhone, smart phones, tablet pc, ... etc.)



Services:

- Cover is determined by customer.
- Secure.
- No development costs only a reasonable monthly fee!
- Require internet connection.



Some statistics 1

- playing with numbers -

Grain mixers

- 22 locations in Hungary
 - As many as 120 mixes a day
 - * At least 110 tons an hour
 - ** As much as 2 640 tons production a day
 - As much as 660 000 tons a year
 - *** Produced at least 6 600 000 tons of feed since 1990
 - *** Worked at least 1 320 000 hours since 1990
 - As many as 2 640 mixes a day
 - As many as 660 000 mixes a year
 - As many as 13 200 000 mixes since 1990
 - As many as 52 800 measurements a day
 - As many as 13 200 000 measurements a year
 - As many as 264 000 000 measurements since 1990
-
- * All mixers the same time one shift
 - ** Three shifts
 - *** An average 1.5 shifts per day



Some statistics 2

- playing with numbers -

Concrete mixers

- 11 locations (12 mixers)
- One mixer produces as many as 250 mixes a day
- At least 240 cubic meter per hour this hour
- As much as 5 760 cubic meter production a day
- As much as 1 440 000 cubic meter a year
- At least 14 400 000 cubic meter since 1990
- Worked at least 720 000 hours since 1990
- As many as 3 000 mixes a day
- As many as 750 000 mixes a year
- As many as 15 000 000 mixes since 1990
- As many as 24 000 measurements a day
- As many as 6 000 000 measurements a year
- As many as 120 000 000 measurements since 1990



Some statistics 3

- playing with numbers -

Plant traffic systems

- Working at more than 300 locations
- There is a scale with our program within a 25 km radius in Hu
- One scale can measure 15 vehicles an hour
- As many as 4 500 can be measured an hour
- As many as 108 000 vehicle a day
- As many as 216 000 measurements a day
- As many as 2 000 000 vehicles a year
- As many as 54 000 000 measurements a year
- 1 scale may measure up to 600 tons
- Altogether 64 800 000 tons may be measured an hour
- As much as 1 555 200 000 tons a day
- As much as 388 800 000 000 tons a year can be measured





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Thanks for your attention:

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