

Functional description

App for manufacturing feedback designed for Infor LN

Contact person



Sven Lüders

+49 371 2371-192 ☎ +49 371 2371-150
 E-Mail: sven.lueders@sigma-chemnitz.de
 Internet: www.sigma-chemnitz.de

About SIGMA

As a reputable system house in Saxony SIGMA Chemnitz GmbH operates as system integrator and partner of well-known Providers in the IT sector. Our over 80 employees at the Chemnitz and Dresden sites form a competent team at the location Chemnitz. With expertise, competence and almost 30 years of experience we offer our customers reliable and powerful

About INFOR

Infor is one of the largest manufacturers of business software for the manufacturing and wholesale industries. With 41 subsidiaries and around 90,000 customers, the company has a global presence. Germany plays an important role for Infor. Several development centers are located here (e.g.: in Karlsruhe, Breisach, Stuttgart and Leipzig). Infor sets itself the goal of offering customers the best possible software experience at a lower total cost of ownership.

About INFOR LN

Infor LN is one of the leading ERP solutions. The software provides best-in-class and sophisticated capabilities in finance, supply chain, manufacturing, project management, and service. Infor is used by over 4,500 companies worldwide.

What can the app do?

Do you need a mobile and user-friendly solution for manufacturing that is linked with the Infor LN ERP system? If so, SIGMA's app is made for you. You can use it to record working hours or to divide your plant's output into REAL and NOMINAL. This also works in the other way. If a breakdown occurs, then you can also send a message. Our app helps your employees give feedback, so they can work more productively.

And this is how it works

Having logged in, employees are shown a work list for the appropriate department, meaning that they are guided and monitored by the app. This results in less effort during feedback / confirmation. The employees respond via a touch screen or with a convenient mouse click and start or finish the orders with feedback regarding the volume produced. The production planning team is always fully aware of the manufacturing status and the resources since the process can be evaluated and traced in real time in the ERP system.



The system is extremely flexible. The feedback from manufacturing can also be sent via a mobile phone in the production hall or from a PC workstation.

Basic requirements

- Infor LN is installed and licensed
- SIGMA App
- End devices with app
- Infor ERP LN
 Server license 7056
 (3rd party integration)

Advantages

- reduced ERP user costs
- clarity and mobility
- automatic production confirmation at the ERP
- automatic data check
- user friendliness (app is self-explanatory)
- robustness and scalability
- flexible hardware costs
- customer specific adaptations possible

System requirements

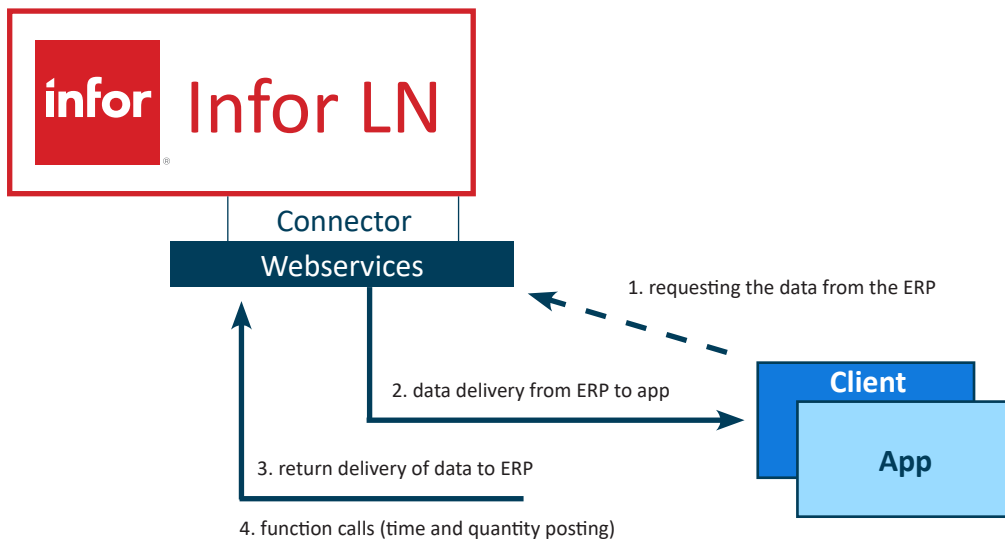
- Smartphone, tablet or workstation
- Operating system: Microsoft Windows (8, 10) or Android
- For data transfer between app and ERP: LAN / WLAN

Available as:

- Classic (SI package)
- Extension (TX package)

Compatibility with your Infor ERP version on request.

Data is transferred in real time via WebServices. Data can be retrieved and changed, and ERP system functions can be triggered.



Web services carrying out predefined tasks in business logics are used to connect data from the production orders and changes related to the ERP system are linked with the app. Project and production times, as well as quantities, that are recorded in this integration in the app are automated and transferred to the Infor LN ERP system in real time and are processed there.

Functions

Intelligent scanning of barcodes

Using this function, one can use the app to scan barcodes. The result, in turn, can be adopted in internal functions and web services and be post-processed. The barcodes scanned are logically checked based on the barcode type. The following barcode types are supported: Code 128, Data Matrix, QR code

Maschinen der Zelle 1012

113.17	Spitzendrehmach.DLZ 500x2000/T
194.01	CNC-Drehmaschine Mazak
194.05	CNC-Drehmaschine Mazak SQT-300
194.17	CNC-Drehmaschine Mazak GTN-350
212.16	Tischbohrmaschine
214.74	Säulenbohrmaschine BS 16

Ihre angemeldeten Produktionsaufträge

Auftrag	Artikel	Maschine	Zeitraum
PRA000066/30	4588316	113.17	15.05.2017 20:46
	Drehzahlsensor kpl. 4588316	Spitzendrehmach.DLZ 500x2000/T	15.05.2017 22:06

Produktionsrückmeldung

Auftrag: PRA000066
 Arbeitsgang: 30
 Artikel: 4588316 Drehzahlsensor kpl. 4588316
 Maschine: 113.17 Spitzendrehmach.DLZ 500x2000/T

Menge in stk
 geplant: 10.0
 IO an diesem AG: 4.0
 NIO an allen AG: 7.0

Rüsten [Play] [Stop]

Bearbeitung [Play] [Stop]

IO: 0.0 NIO: 0.0

Ausfall

Grund: MAT001-Material fehlt
 Bemerkung: Das Material wurde nicht zur Zeit geliefert.

Feedback from production

In this module, the feedback function is implemented via the mobile terminal devices or terminals in the manufacturing hall.

- Time completion confirmation/ start / stop message for setting up/ processing/ breakdown
- Quantity confirmation— The processing function offers an overview of the quantity of produced parts. In the OK field, one may enter functional goods, and in the NOK field, faulty parts.
- Breakdown - Here one may enter a reason or a free text remark.

Request and response

Data connection is achieved via SOAP web services. The request includes the values to be transferred. If necessary, it is possible to push a process in the ERP system. The response, in turn, includes the data or, in case of fault, an informative message.