



应用案例

STIHL 直连EDI解决方案



STIHL 斯蒂尔集团

帮助供应商对接世界电锯之王

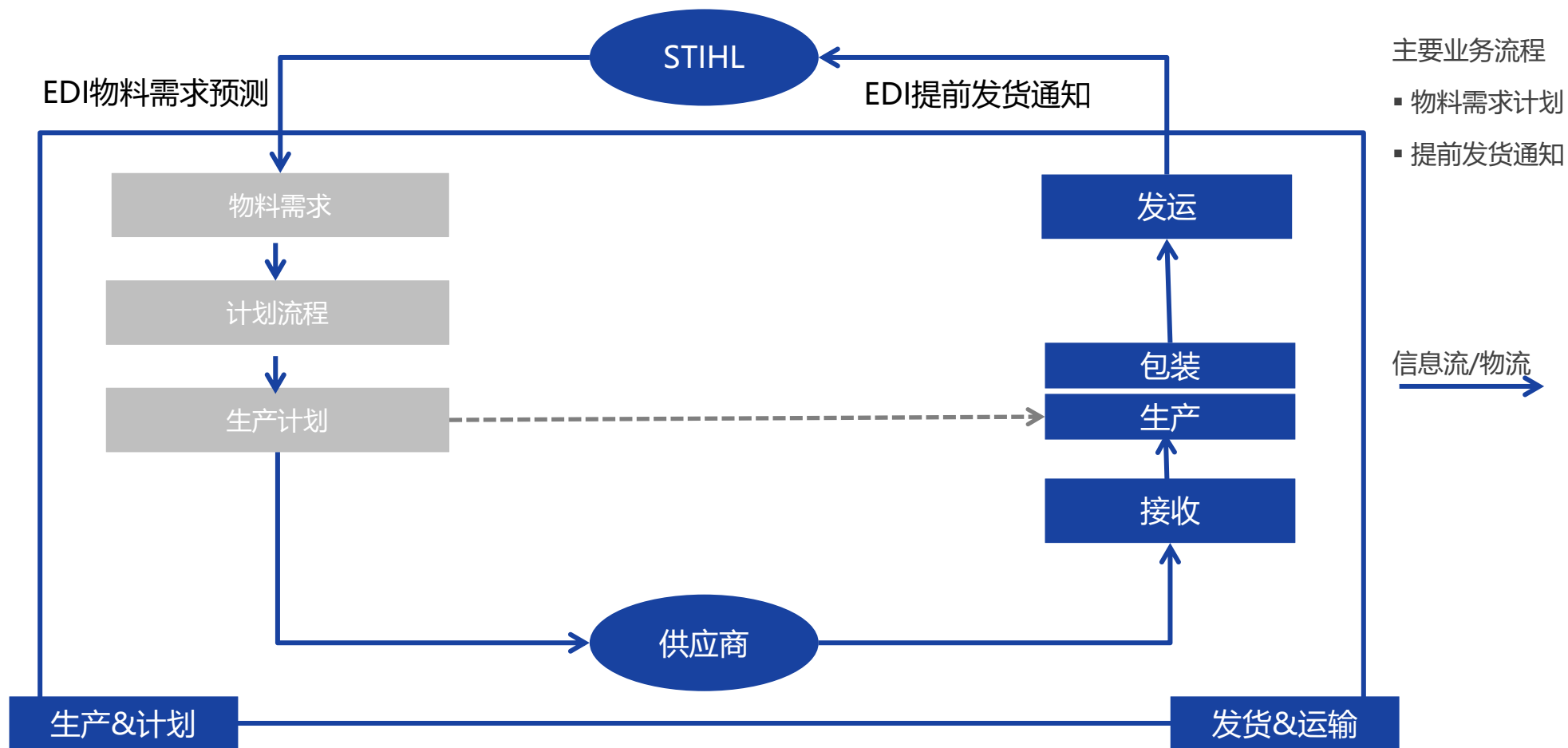
德国斯蒂尔集团 (STIHL) 是一家具有92年历史的顶尖机械用具品牌，发明了世界上第一台电锯，被称作“电锯之父”和“世界电锯之王”。

2016年，知行软件助力供应商实现了与STIHL的EDI直连对接，通过知行RSSBus EDI系统，供应商可以直接接收到STIHL的物料需求计划，并发送提前发货通知给STIHL。

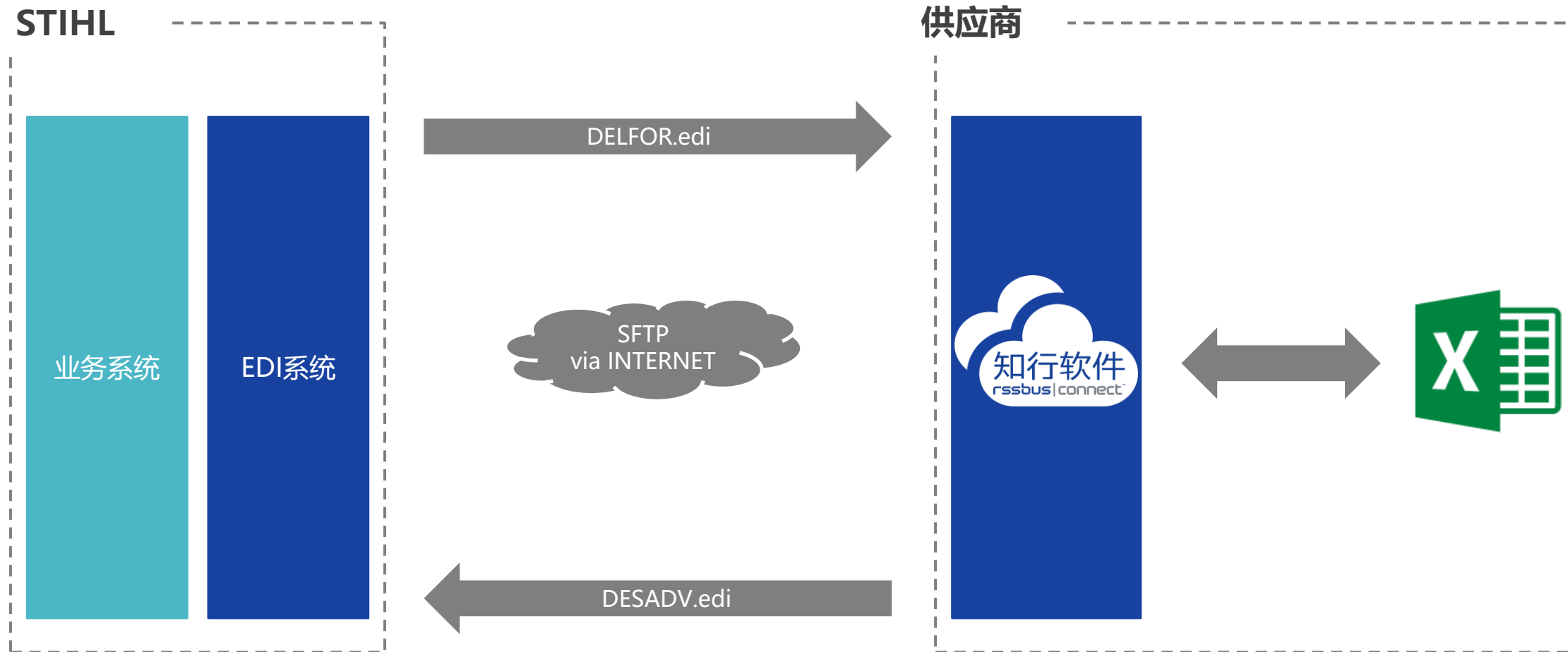
满足STIHL对于业务数据安全传输要求，增强供应商国际竞争力。



业务概览



方案概览



需求概览

连接 & 转换 & 集成

EDI连接

- 传输协议: SFTP via INTERNET

报文翻译

- 报文标准: EDIFACT
- 业务报文:

业务代码	业务含义	传输方向
DELFOR	Delivery Schedule Message / 物料需求计划	接收
DESADV	Advanced Shipping Advice Message/ 提前发货通知	发送

实施方案

- Excel方案

功能实现

安全 & 自动 & 高效

SFTP via INTERNET

- STIHL 要求供应商通过SFTP安全文件传输协议将档案传输到其网关服务器。由于SFTP采用SSH进行加密/解密认证，大大增强文件传输的安全性。
- EDI系统内置SFTP端口将实现与STIHL 网关服务器连接，实时上传&下载商业档案。

报文翻译

- 供应商与STIHL传输EDIFACT标准报文, EDI 系统可进行数据格式转换，确保数据准确翻译。

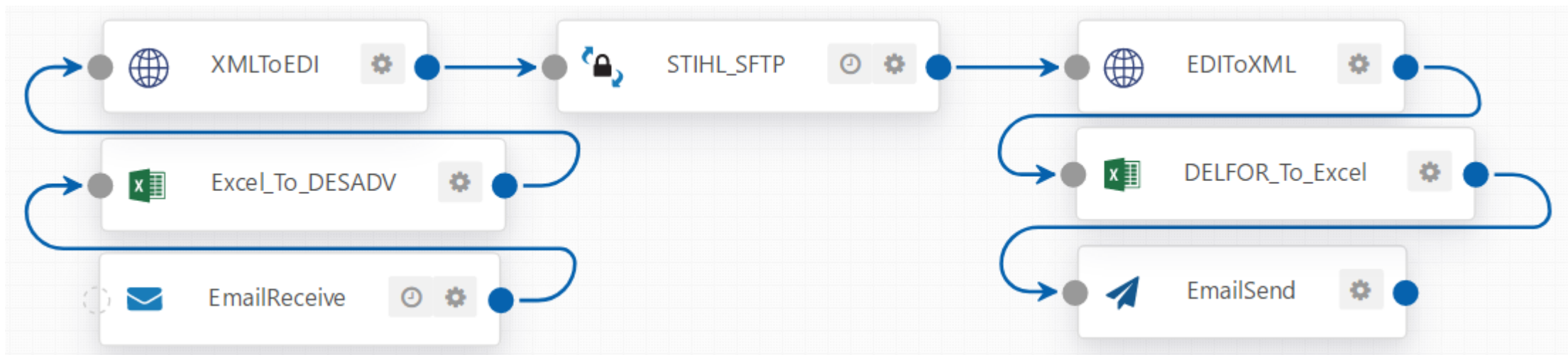
集成ERP系统

- 由于此次项目实施紧急，为实现EDI快速上线，选择了Excel方案，供应商计划在ERP系统上线后，再与业务系统实现集成，实现数据真正意义上的自动化。



工作流程

STIHL项目Workflow



▲ 知行RSSBus 系统Workflow

示例：解析DELFOR

EDIFACT标准报文 -> EDI系统 -> Excel格式文件

```

UNA:+.? '
UNB+UNOA:1+STIHL_WN+SUPPLIER+151110:2035+0'
UNH+0+DELFOR:D:99B:UN'
BGM+241+Idoc# R20/00000001+5+AB'
DTM+137:20151110:102'
DTM+157:20151110:102'
NAD+SE+SupplierID:92++SupplierName.+Supplier Street+Jiangsu++215126+CN'
NAD+BY+STIHL:91++ANDREAS STIHL AG & Co. KG+Postfach 17 71+Waiblingen+08+71307+DE'
GIS+95'
LIN+1++41286A:BP:92'
IMD++:92:Gear housing'
FTX+COI++No goods will be taken from December 18, 2015 until January 6, 2016! '
RFF+CO:00550009:00011'
RFF+AAN:82'
DTM+171:20151110:102'
RFF+SH:81'
DTM+171:20151103:102'
NAD+CN+D5:92++ANDREAS STIHL AG & Co. KG:Werk D5+Moerikestr. 81-83+Ludwigsburg++71636+DE'
CTA+IC+S33:Nad Baumann'
COM+?+49 7151 26-2285:TE'
COM+?+49 7151 26-82285:FX'
QTY+48:576:PCE'
DTM+50:20151013:102'
RFF+DQ:MGPD-Y15-S039B'
QTY+70:2880:PCE'
DTM+51:20150101:102'
SCC+3'
QTY+113:576:PCE'
DTM+2:20160121:102'
SCC+4'
QTY+113:576:PCE'
DTM+2:20160211:102'
QTY+113:576:PCE'
DTM+2:20160331:102'
QTY+113:576:PCE'
DTM+2:20160428:102'
UNT+46+0'
UNZ+1+0'
    
```

知行软件
rssbus|connect



STIHL DELFOR Delivery Schedule Message Header Info.						
Vendor Info.		Customer Info.		Plant Info.	MRP Controller Info.	Schedule Agreement Info.
Vendor#	Customer#	Delivery location	Contact person	Schedule Agreement#		
Vendor name	Customer name	Plant Name	MRP controller Name	Schedule Agreement Item		
Vendor Street	Customer PO Box	Plant Street	Telephone#	Delivery Schedule Date		
Vendor Location	Customer Location	Plant Location	Fax#			
Vendor Post Code	Customer Region	Plant Post code	E-mail			
Vendor Country	Customer Post code	Plant Country				
	Customer Country	Unloading Point				
Additional Info.						
sequential transfer #	Last goods receipt quantity	New delivery schedule#	Old Delivery Schedule#			
Creation Date	Last goods receipt quantity unit	New delivery schedule date	Old Delivery Schedule Date			
Delivery schedule applicable from	Last goods receipt date	Cumulative quantity	Purchase Order Text			
STIHL Material#	Last goods receipt#	Cumulative quantity unit				
STIHL Material Text		Date cumulative quantity last reset				
Item Details Info.						
SCCType	QTY	Unit	Delivery Date	Start Date	End Date	
3	576	PCE	20160121			
4	576	PCE	20160211			
4	576	PCE	20160331			
4	576	PCE	20160428			
4	1152	PCE	20160818			
4	576	PCE	20160818			

示例：生成DESADV

Excel格式文件 -> EDI系统 -> EDIFACT标准报文

STIHL DESADV Advanced Delivery Advice Message										
Basic Info.										
Dispatch advice Info.		Supplier Info.		Buyer Info.		Transport Info.				
Delivery#	00156012	Supplier#		Buyer#		Transport Mode	11			
Creat Date	20151205	Supplier Name		Buyer Name		Means Of Transport	Ship			
Dispatch Date	20151206	Supplier Street		Buyer PO Box		Transport ID	3U8911			
Expected Delivery Date	20151130	Supplier Location		Buyer Location						
Packages QTY	5	Supplier PostCode		Buyer Region						
		Supplier Country		Buyer Post Code						
				Buyer Country						
Item Details Info.										
Item	PackageType	Level of Packaging	Package#	Type Of Marking	STIHL ProductNO	SupplierMaterial#	SuppliersBatch	QTY	Unit	SerialNumber
10	000PAL	3	14567201	1J						
20	000PAL	3	14567202	5J						
30	000PAL	3	14567203	1J						
40	000SCH	3	14567204	1J						
50	000PAL	3	14567205	5J						

知行软件
rssbus|connect



```

UNA:+. ?* '
UNB+UNOA:1+SUPPLIER:ZZ+STIHL_WN:ZZ+151221:1432+000000072'
UNH+000240600001+DESADV:D:99B:UN'
BGM+351+MGPD-Y15+9'
DTM+137:20151217:102'
DTM+11:20151231:102'
DTM+191:20160211:102'
MEA+AAX+SQ+NMP'
NAD+SE+Supplier ID:92++Supplier Name+Street+Province++215126+CN'
NAD+BY+33900B:91++ANDREAS STIHL AG & Co. KG+Postfach 17 71+Waiblingen+08+71307+DE'
TDT+20+++11'
CPS+1++3'
LIN+++413001B:BP'
PIA+1+07330/DF:SA'
QTY+1:200:EA'
RFF+AAU:Y15-S055A'
RFF+ON:55000:00054'
DTM+137:20151216:102'
UNT+17+000240600001'
UNZ+1+000000072'
    
```

知行软件

企业级EDI解决方案



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