

KEEL SAP SERVICES PRACTICE OVERVIEW

Everything in One Place

Keel Solution is a global **SAP system implementation and data migration service provider** with specialization in the energy sector.

Our SAP consultants assess systems, resources, dependencies, data needs, cloud maturity and build a strategy and roadmap to **migrate data to SAP system** without data loss or disruption to the business.



Industry Requirements

Adoption

We evaluate all of the consequences and implications and strive to help adapt to the industrial requirements since we are familiar with all of the processes involved.

Feasibility & Acquaintance with Business Cases

Our SAP system is a perfect place for a case study or a proof-of-concept creation that helps to eliminate redundant work and reduce errors.

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Business

Reduce Complications with Custom Enhancements

We help you migrate by addressing customized fields without losing the data they house. We are ready to pave the way for quick and easy adaptation of custom transactions.

Support with Implementing and Leveraging SAP Products

We interpret specific business requirements and enterprise user demands to facilitate appropriate solutions for SAP Products implementation.



Designing SAP S/4 HANA Fiori Launchpad Content for Business Role

Getting started with SAP S/4 HANA Fiori Launchpad

There is an empty screen when the user launches SAP S/4 HANA Fiori Launchpad for the first time.

SAP offers a lot of applications that can be added to your Fiori Launchpad.

We will help you to design your Fiori Launchpad (with Groups and Tiles) for more productive usage.

What you see during the first entry:



What you are offered:

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Overview 🕑			Entire Library					Narage	profil
Product Suite (SAP S/G-UANA) Please make sure to select the required		Technology Line (of Business Role	SAP Fior lighthouse apps	Required Badi-End Product	Database	Form	Fa > 1	Ь
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What we deliver:

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Material BOM	Reference Location	FLOC and EQ - Techr	nical Object DMS	Class/Characteristic				
Display Material Transaction MM03	Create Material Transaction MM01	Change Material Transaction MM02	Mass Maintenance Material Transaction MM17					
BOM								
Create Functional Location BOM Transaction IB11	Change Functional Location BOM Transaction IB12	Create Equipment BOM Transaction IB01	Change Equipment BOM Transaction IB02	Create Bill of Material Transaction CS01	Change Bill of Material Transaction CS02			
Display Functional Location BOM Transaction IB13	Display Equipment BOM Transaction IB03	Display Material BOM Transaction CS03	Material Where Used List for BOMs	Functional Location BOM List T-code /KEEL/FL_BOM				

We make sure that with the SAP Fiori UX, your workforce can truly enable your company to realize full benefits of HANA.



SAP Migration from SAP ECC to SAP S/4 HANA

We support all the steps of migration process and ensure that data is:

- Audited. Before migration, we make sure that all issues are distinguished and the data is analyzed.
- **Cleaned up**. The data should be revised and all inconsistencies (e.g. duplicates, outdated data) should be eliminated.
- Maintained and updated. Outdated data should be regularly checked and erased from the system.
- Tracked. Data should be monitored to make sure that data integrity is preserved.

OUR EXPERIENCE

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Existing Migration Objects Update

Update of existing Migration Objects in Migration Cockpit according to customer needs.

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New Tools Development

Development of new tools for Migration Objects that are not available in Migration Cockpit.



Migration Cockpit Troubleshooting

Investigation and solving migration problems, management of tool issues, error fixing.

			Migratio	n Object: Create Refe	rence Location		
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Migration Obje	ect Details	🥒 Edit					
	-	And the American Pro-			Migration Status:	In Process	
Name:	Create Ref	erence Location			Documentation:	Show	
Dependencies:	This migrat	tion object does not have a	any dependencies to oth	ner Max	. Data Transfer Jobs:	1	
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Default View:	On-premise	e - Enterprise Managemer	nt scope				
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SAP Migration from SAP ECC to SAP S/4 HANA

Challenges we faced:

Functional Location BOM List T-code /KEEL/FL_BOM	
	9

- Making sure that the code compiles with the new S/4HANA data model;
- Removing all technical incompatibilities from custom code;
- Identifying and resolving performance bottlenecks;
- Ensuring that all customized transaction codes are successfully transferred from ECC to S4 without any data loss.

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nt Functional Location	ROMost ROM	Item Component Material Description	Quantity Unit Change No. Reference functional location
1 K50001-001-BFA11EA001		0010 K5000521784 CONVECTING BOX F LIGHTNING 2MW	1.000 PC 50000000000 GD0000-BFA11EA001
		0020 KS010024436 EMERGENCY LAMP WH 2X18W 110 230V/50 60HZ	1.000 PC \$000000000
	T 00000011	0030 KS010057770 LAMP KET W 20PG, L HATCH, 2.3NW	1.000 PC 50000000000
	T 00000011	0040 KS010057787 LAMP KIT W 20PG, R HATCH, 2.3NW	1.000 PC 5000000000
	T 00000011	0050 KS010057791 LAMP KET W 10PG, HATCH, 2.3MW	2.000 PC 50000000000
	T 00000011	0060 KS010024434 EMERGENCY LAMP 2X18W 110-230V/50-60HZ	3.000 PC 5000000000
K50001-001=BFA11EA002-FB001	T 00000294	0010 KS010076809 HPFI RELAY 25A 2P	1.000 PC 50000000000 GD0000-009-BFA11EA002-FB001
K50001-001-BFA11EA002-FC001	T 00000295	KS000018176 FUSE AUTOMATIC 10A - 1P (C)	1.000 PC 5000000000 GD0000-BFA11EA002-FC001
K50001-001-BFA11EA011	T 00000012	KS000559936 CONNECTING BOX FLIGHT TOWER	1.000 PC 50000000000 GD0000-009BFA11EA011
	T 00000012	0020 KS010024434 EMERGENCY LMMP 2X18W 110-230V/50-60HZ	7.000 PC 5000000000
K50001-001-BFA11EA012	T 00000013	0010 K5010024434 EMERGENCY LAMP 2X18W 110-230V/50-60HZ	4.000 PC 50000000000 G20000-009-EEA11EA012
K50001-001=8PA11EA029	T 00000014	KS010024434 EMERGENCY LAMP 2X18W 110-230V/50-60HZ	2.000 PC 5000000000 GD0000-009=EPA11EA029
	T 00000014	0020 KS010023407 WORK LIGHT W MAGNET SONLUX 110/230V <	2.000 PC 5000000000
K50001-001=BFA11EA029-EA001	T 00000296	0010 KS010075899 EXTERNAL DOOR LIGHT 2.3/3.0 MW OPTIONS	1.000 PC 50000000000 GD0000-000=BFA11EA029-EA001
K50001-001=BFA11EA029-FB001	T 00000297	KS010076809 HPFI RELAY 25A 2P	1.000 PC 50000000000 GD0000-000-EFA11EA029-FB001
KS0001-001=BFA11EA029-FC001	T 00000298	KS000018176 FUSE AUTOMATIC 10A - 1P (C)	1.000 PC 50000000000 GD0000-000=EFA11EA029-FC001
K50001-001-BFA11EA029-FC002	T 00000299	KS000054226 FUSE F HUB A3-509.F2	1.000 PC 5000000000 GD0000-009-BFA11EA029-FC002
KS0001-001=BFA11FC101	T 00000015	KS010017155 LINE CIRCUIT BREAKER M0325 12,5A	1.000 PC 50000000000 GD0000-009-EFA11FC101
K50001-001=BFA11FC202	T 00000016	K5000059181 LINE CIRCULT BREAK. M0325 6,3A	1.000 PC 5000000000 GD0000-009-EFA11FC202
K50001-001=BFA11QA001-FC101	T 00000300	KS010076647 CIRCUIT BREAK T4H250 R100 3NNF+F+SOR+FLD	1.000 PC 50000000000 GD0000-000=BFA11QA001-FC101
K50001-001=BFA11QA001-FC102	T 00000301	K5010076299 LIMITER SWITCH F S8005 32A 100KA	1.000 PC 50000000000 GD0000-BFA11QAD01-FC102
K50001-001=BFA11QA001-FC103	T 00000302	K5010076299 LIMITER SWITCH F S8005 32A 100KA	1.000 PC 50000000000 GE0000-000=EFA11QA001-FC103
K50001-001-BFA11QA001-QA101	T 00000303	KS010035525 MCCB 250A 3 POLE T4HD 250 FF 3P	1.000 PC 5000000000 GD0000 000+BFA11QA001-QA101
K50001-001=BFA11QA001-QA102	T 00000304	KS010035526 MCOB 250A 3 POLE T4HD 250 PR22205/P LSIG	1.000 PC 50000000000 GD0000-009-BFA11QA001-QA102
K50001-001=Bl'A11QA001-QA103	T 00000305	K5010067760 SWITCH OT80FT3 6 MM	1.000 PC 50000000000 GD0000-009=BFA11QA001-QA103
KS0001-001=BFA11TA001-FC101	T 00000306	KS010058170 LINE CIRCUIT BREAKER MO325 20A	1.000 PC 50000000000 GD0000-009-BFA11TA001-FC101
K50001-001=BFA11TA001-FC201	T 00000307	K5010126659 CIRCUIT BREAK.M.1P C16 BULK	1.000 PC 5000000000 GD0000-000-EFA11TA001-FC201
KS0001-001=BFA11TA001-TA001	T 00000308	KS010114075 TRAFO 3X690/3X400/230 12KVA UL	1.000 PC 50000000000 GD0000-000-EFA11TA001-TA001
K50001-001=BFA11TA002-FC101	T 00000309	KS010058170 LINE CIRCUIT BREAKER MO325 20A	1.000 PC 50000000000 GE0000-009-EFA11TA002-FC101
K50001-001-BFA11TA002-TA001	T 00000310	K5010114075 TRAFO 3X690/3X400/230 12KVA UL	1.000 PC 50000000000 GD0000-009-BFA11TA002-TA001
KS0001-001=BFA11TB001-FC101	T 00000311	KS000059191 LINE CIRCUIT BREAK. MAN. 0,4-0,63A<	1.000 PC 5000000000 GD0000 000=BFA11TB001-FC101
K50001-001-BFA11TB001-FC201	T 00000312	K5010235168 CIRCUIT BREAKER, 3P, 10 A, C60N, UL	1.000 PC 5000000000 GD0000-009-EFA11TB001-FC201
KS0001-001=BPA11TB001-PC206	T 00000313	KS000031135 CIRCUIT BREAKER 1P 6A C60N UL	1.000 PC 5000000000 GD0000-009=BFA11TB001-FC206
KS0001-001=8FA11TB001-FC207	T 00000314	KS000031137 CIRCUIT BREAKER 1P 6A	1.000 PC 50000000000 GD0000-009-BFA11TB001-FC207
K50001-001=BFA11TB001-TA001	T 00000315	K5000400927 TRANSFORMER 33/6909/33/19,2V, <	1.000 PC 5000000000 GD0000-000=BFA11TB001-TA001
KS0001-001=BFA11TB001-TB002	T 00000316	K5000202819 BRIDGE RECTIFIER 36MT120 1200V/36A	1.000 PC 5000000000 GD0000-BFA11TB001-TB002
KS0001-001=BFA11UC001	T 00000017	K5000019686 CABLE 3X0.25 LIHCH 70°C 250V	1.000 M 5000000000 GD0000-BFA11UC001



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Nant *	Functional Location	* BOM	BOM	Itom *	Component	Material Description	Quantity	Unit	Change No.	Line 1	Line 2	Phantor	
-	CONTRACTOR OF A DESCRIPTION OF A DESCRIP	Т	00000261	0010	100100-001	MAIN BOARD BOX A1 3,6MW	1.000	PC	50000000000				
	CONTRACTOR OF STREET, ST. NO.	т	00000262		100000000000000000000000000000000000000	CONTROL PANEL A2 3,6MW	1.000	PC	50000000000				
	CONTRACTOR OF A DESCRIPTION OF A DESCRIP	т	00000263		100100-001	TOP BOX A3 3,6MW	1.000	PC	50000000000				
	GROUP HIS CO., 1 (80)	Т	00167936		100101-002	WIND VANE VO08M W. 7M CABLE<	1.000	PC	50000000000				
	GROUP HIS CO. LONGS I	т	00167937		100000000000000000000000000000000000000	WIND VANE VOOBM W. 7M CABLE<	1.000	PC	50000000000				
	(B100-02-01-080-00)	Т	00167938		100101-002	ANEMOMETER V010M W. 7M CABLE<	1.000	PC	50000000000				
	(\$100.00 K) (\$1,0.000.00)	т	00167939		100101-002	ANEMOMETER V010M W/7.0M CABLE>	1.000	PC	50000000000				
	OBVID-ICS REPUBLICING	т	00000268		100101-001	HUB BOX A6 3,6MW	1.000	PC	50000000000				
	(800) 313 HousePerg	т	00000269		100101-011	DISTRIBUTOR BLOCK< 3.6MW	1.000	PC	50000000000				
	OBSTRUMENTS AND ADDRESS OF	т	00000270		100100-001	PISTON ACCUMULATOR 100BAR (#)	1.000	PC	50000000000				
	(B10) 83 404(17480)	т	00000271		1000001	PISTON ACCUMULATOR 100BAR (#)	1.000	PC	50000000000				
	OBSERVATE REPORTS	т	00000272		100100-001	PISTON ACCUMULATOR 100BAR (#)	1.000	PC	50000000000				
	CONTRACTOR OF THE OWNER.	т	00000273		100000000000000000000000000000000000000	PISTON ACCUMULATOR 100BAR (#)	1.000	PC	50000000000				
	ORNED HIS MEALINERS.	т	00000274		And a second second second	CYL. F HUB RAW < 3,6MW ROTOR D107	1.000	PC	50000000000				
	OBSERVATION AND ADDRESS OF TAXABLE	т	00000275		A REPORT OF A	B52-01 BLADE - LYNN AND INNER DOWSING	1.000	PC	50000000000				
	(800) 313 House Print	т	00089214		ARCONC.	RETROFIT BLADE BEARING COMPL. W. REINFO	1.000	PC	50000000000				
	(\$100) 103 (\$5x(1))*101	т	00000277		100000-0100	VALVE BLOCK MOUNTED 3.6MW	1.000	PC	50000000000				
	CONTRACTOR OF A DESCRIPTION OF A DESCRIP	т	00000278		100000000000000000000000000000000000000	PISTON ACCUMULATOR 100BAR (#)	1.000	PC	50000000000				



Development & Customization in SAP ECC

Keel uses **built-in ABAP development tools** for customization of ERP that optimizes the execution of business processes.



KEEL EXPERIENCE

- Development or assistance in the development of software that utilizes the usage of SAP APIs;
- Integration of SAP ECC into enterprise ecosystem.
- Development of custom transactions and reports in the SAP ECC;
- Development of middleware that connects SAP ECC and standalone 3rd party software;
- Development of mobile applications & Fiori apps that are connected to SAP ECC;

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of Material Master Data										
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Material Description	Material Group Disco	ntinuation ind. Effective-out date Follow	-Up Material Procurement type Spe	cial procurement Material T	vce Plant-sp.ma	ati status S/D P	art Name	Vendor Naterial No	Vendor Naterial Description	Vai
TEST MATERIAL	100	00000000	F		11					
HANDLE F LID FRAME COMBI 300KW	INY	00000000	r	-	Z4	DI	Ecm Industries	4418	HANDLE F LID FRAME COMBI 300KW	Val
Extension cord CEE/30DK 0,5 m -	PKA	00000000	F	144	74	DI				Val
DOOR HANDLE NO. 2 ALL TOWERS	OAE	00000000	F		24	DI	Ecm Industries	A9B00005766	DOOR HANDLE NO. 2 ALL TOWERS	Va
HANDLE F DOOR HANDLE NO. 2	INY	00000000	F	10.00	ZH	DI	Ecm Industries	A9B00005767	HANDLE F DOOR HANDLE NO. 2	Va
BRACKET I' DOOR HANDLE NO. 2	INY	00000000	r		ZH	DI				Val
RUD swivel eye plate VLBG M24x37 WLL 41	PNH	00000000	F	100.0	Z4	DE	Carl Stahl	045566V040	RUD SWIVEL EYE PLATE VLBG M24X37 WLL 4T	ZA
LOOK BAR F PADLOOK ALL TOWERS	QAE	00000000	r		Z4	DI	Horsens Span Teknik	A9800008726	LOCK BAR F PADLOCK ALL TOWERS	Va
DOOR HANDLE OUTSIDE	QAE	00000000	F	10.00	Z4	DI	L-Tek	A9B00008727	DOOR HANDLE OUTSIDE	Val
LADDER AVANTI W=470MM L=4200MM	IES	00000000	F		Z4	DI	Avanti	A9800008943	LADDER AVANTI W=470MM L=4200MM	Va
LADDER AVANTI W-470MM L-5040MM	1ES	00000000	F	10.00	Z4	DI	Avanti	A9B00009743	LADDER AVANTI W-470MM L-5040MM	Va
LOCK PIN 600KW MK4	IMU	00000000	r		ZH	DI	Maskinfabrikken Silkeborg	A9800009775	LOCK PIN 600KW MK4	NA
NON-RETURN VALVE PRV 399710	1GD	00000000	F	10.00	Z4	CO	Fritz Schur Energy	100667	CHECK VALVE - 3 BAR, PRV 9399715	N
Top plate Stainless DIN3015 W 2 x x	FKA	00000000	F		24	CO	Hydra-Grene	GD20/71	TOP PLATE STAINLESS DIN3015 W 2 X X	Va
Top plate Stainless DIN3015 L 3 x x	FKA	00000000	F	10.00	Z4	5	Parker-Hannifn Corporation	DPA34571X	TOP PLATE STAINLESS DIN3015 L 3 X X	Va
Top plate Stainless DIN3015 L 4 x x	FKA	00000000	r		Z4	CO	Hydra-Grene	DP4/71	TOP PLATE STAINLESS DIN3015 L 4 X X	Val
Top plate Stainless DIN3015 L 2 x x	FKA	00000000	F	10.00	Z4	5	Hydra-Grene	DP2/71	TOP PLATE STAINLESS DIN3015 L 2 X X	Val
Top plate stanless DIN3015 L 5 x x	FKA	00000000	r		Z4	CO	Parker-Hannifn Corporation	DPA54571X	TOP PLATE STAINLESS DIN3015 L 5 X X	Va
Top plate Stainless DIN3015 W 5 x x	FKA	00000000	F	10.00	Z4	CO	Hydra-Grene	GD5D/71	TOP PLATE STAINLESS DIN3015 W 5 X X	Val
Fitting C 1908434-3 SDS 12x108 x x	FKA	00000000	F		24	co	Parker-Hannifn Corporation	8F42EDMLOS	FITTING C ISO8434-3 SDS 12X10B X X	ZN
Fitting C 1508434-3 505 12x12B x x	FKA	00000000	F		Z4	5	Fritz Schur Energy	100559	STRAIGHT - MALE STUD - ORF5 - 13/16-16 UNF X 1/2 BSP	Val
Fitting C 1508434-2 5D5 12x12B x x	FKA	00000000	r		Z4	CO	Parker-Hannifn Corporation	8-8F42EDMXS	FITTING C ISO8434-2 SDS 12X12B X X	Va
NIPPLE 1 BSP X 1.3/16-12UNF	FKA	00000000	F		74	CO	Parker-Hannifn Corporation	12-16F42EDMLO5	NIPPLE 1 BSP X 1.3/16-12UNF	Val
Fitting C 1908434-3 SDS 25x25B x x	FKA	00000000	F		24	54	Fritz Schur Energy	100188	STRAIGHT - MALE STUD - ORFS, 1 7/16-12 UNF X 1-11 BSP	Va
Fitting C 1508434-3 505 25x32B x x	FKA	00000000	F		Z4	CO	Hydra-Grene	038P0406	NIPPLE 1/4 BSP X 9/16-18 JIC	Val
Fitting C 1908434-3 SDE 25x258 x x	FKA	00000000	F		24	CO	Fritz Schur Energy	100186	16C4OMLOS - VINKEL INDSKRUNING 90º O-LOK, 1.7/16-12 UNF X	1" BSP NA
Fitting C 1508434-3 SDE 20x208 x x	FKA	00000000	F		Z4	5	Fritz Schur Energy	101406	ELBOW - MALE STUD - ORF5 - 1-3/16-12 UNF X 3/4 BSP	ZA
Fitting C 1908434-6 5 12x12 x x	FKA	00000000	F		Z4	S	Parker-Hannifn Corporation	8HMK4S	NIPPLE 1/2 BSP	ZA
Fitting C 1508434-6 5 25x25 x x	FKA	00000000	F	1000	Z4	54	Parker-Hannifn Corporation	16HMK45	NIPPLE 1 BSP	ZA
Fitting C 1908434-6 SWS 12x12 x x	FKA	00000000	F		24	CO	Parker-Hannifn Corporation	8-8F6MK4S	NIPPLE 1/2 BSP X 1/2 BSP W/UNION	ZN
Plug steel DIN 3852-2 -A- G1/8 hex key	FKA	00000000	F	10.00	Z4	co	Parker-Hannifin Corporation	B410-2	END PLUG 1/8 BSP	ZA
Fitting C 1508434-2 CP 12 x x	FKA	00000000	r		Z4	5	Fritz Schur Energy	100571	TRIPLE LOK - 3/4-16 UNF	ZN
Fitting C 1508434-2 CP 20 x x	FKA	00000000	F	10.00	Z4	5	Fritz Schur Energy	100159	TRIPLE-LOK 1.1/16-12 JIC X 1/2" BSP	ZA
Plug steel DIN 3852-2 - A - G3/8 hex key	FKA	00000000	F		Z4	00	Parker-Hannifn Corporation	12005029	END-PLUG 3/8 BSP (ALLEN)	Va
Fitting C 1508434-6 PL 10 x x	FKA	00000000	F	10.00	Z4	5	Fritz Schur Energy	100818	GEVINDHAETTE 3/8" BSP 60", TYPE GRI	ZA
Plug steel DIN 3852-2 - A - G1 hex key	FKA	00000000	F		Z4	S	Hydra-Grene	088PU16	PLUG STEEL DIN 3852-2 - A - G1 HEX KEY	Va
PLUG 1/4" RG CONICAL BRASS	IMU	00000000	F	10.00	Z4	CO	Ev Metalvaerk	107B 1/4	PLUG 1/4" RG CONICAL BRASS	ZA
Plug Steel + NBR ISO1179-2 3/4" hex key	FKA	00000000	F		Z4	00	Hydra-Grene	088PU12	END PLUG 3/4 BSP (UNBRACO)	Va
Fitting C 15O8434-6 SWE 6x6 x x	FKA	00000000	P	10.00	Z4	CO	Parker-Hannifn Corporation	4C6MK45	FITTING C ISO8434-6 SWE 6X6 X X	Va
Fitting C 1908434-6 S 20x20 x x	FKA	00000000	F		Z4	S	Parker-Hannifn Corporation	18/12	NIPPLE 3/4 BSP	ZA
Fitting C 1508434-2 NA 25 x x	FKA	00000000	F	10.00	ZH	co	Parker-Hannifin Corporation	16BMTXS	168MTXS	Va
Fitting C 1508434-6 CP 20 x x	FKA	00000000	F		Z4	co	Hydra-Grene	078P506	SCREW CAP 3/48SP 60DEGREE CONE	Va
Fitting C 1508434-3 SWE 25x25 x x	FKA	00000000	F	10.00	Z4	CO	Hydra-Grene	116F516	FITTING C ISO8434-3 SWE 25X25 X X	Va
Top plate Stanless DIN3015 W 3 x x	FKA	00000000	F		ZH	CO	Parker-Hannifn Corporation	DP834571X	TOP PLATE STAINLESS DIN3015 W 3 X X	Va
Adaptor C BSP60° 12 E - BSPP 6 I	FKA	00000000	F	10.00	Z4	CO	Hydratech Industries Wind Powe	462300	096P0604 1/2' X 1/4	CA
Clamp PP DIN3015 W 3 K 20 20 x x x	FKA	00000000	F		Z4	00	Parker-Hannifn Corporation	RBPG320X	CLAMP PP DIN3015 W 3 K 20 20 X X X	Va
Clamp PP DIN3015 L 1 K 10 x x x x	FKA	00000000	F	10.00	Z4	co	Parker-Hannifin Corporation	RAPG110X	CLAMP PP DIN3015 L 1 K 10 X X X X	Val
Clamp PP DIN3015 L 1 K 12 x x x x	FKA	00000000	F		24	0	Parker-Hannifn Corporation	RAP112X	CLAMP PP DIN3015 L 1 K 12 X X X X	Va
Clamp PP DIN3015 W 1 K 12 12 x x x	FKA	00000000	F		Z4	CO	Parker-Hannifn Corporation	RBPG112X	CLAMP PP DIN3015 W 1 K 12 12 X X X	Val



SAP Implementation & Support in SAP ECC

Keel helps its customers to **calculate the most cost-efficient way** of the ERP implementation from the infrastructure point of view. Keel specializes in **cloud instances**; however, our specialists can make the list of the **hardware and other equipment** necessary to build a data center.



SAP ERP consists of modules that need to be installed and configured, which our specialists are skilled at.

Among all SAP ERP modules, our specialists have been encountering MM (Material Management) and PM (Plant Maintenance) modules for more than 10 years. Nevertheless, Keel has experience with other modules for Human Resources (HR), Sales and Distribution (SD), Financial Accounting and Controlling (FICO), the Quality Management module (QM) and the rest of modules of the SAP ERP system.

TEST, DEMONSTRATION & DEVELOPMENT



Innovative solutions using international standards and new SAP technologies and platforms;



Recommendations

on the implementation of various PM and MM processes in the SAP system;

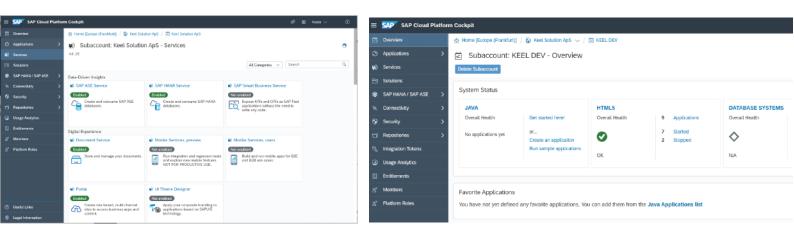


Demonstration

on how to adapt and use the innovation methodologies, edge technologies, innovation processes and tools in SAP.

Development and Run of SAP Applications

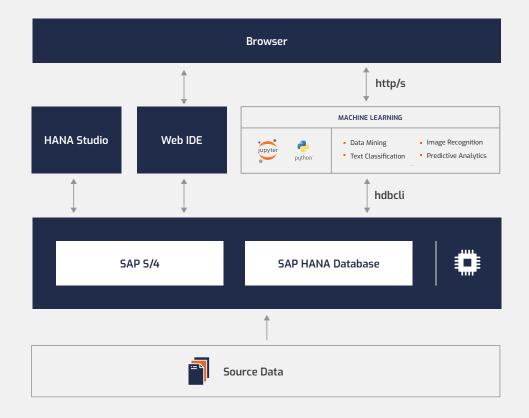
We develop and run innovative SAP applications using the newest SAP Cloud Platform development tools and services. With the development environment in SAP Cloud Platform and the innovations available in all existing SAP Cloud Platform services, as well as the help of innovative technologies such as machine learning, block chain, and Internet of Things, we are able to **implement new scenarios** for our customers.



Usage of AI & ML Technologies

Our data scientists can also implement advanced Machine Learning algorithms, such as supervised classification and regression models, clustering, and automated anomaly detection.

To train models, we use data directly from SAP HANA via SAP HANA Python Client API. The integration of the latest predictive algorithms within the ERP system will help to optimise business processes and unleash the full power of customer's data.



Development and Run of SAP Applications

We are happy to help companies transform into Intelligent Enterprises using AI technologies when developing applications in the SAP Cloud Platform.

With the Web applications developed in SAP Cloud Platform and extended to SAP S/4 HANA, we **structure large scope of information** with minimum efforts.

Properly structured records in SAP and effective implementation of the data classification program will translate into **smooth business transactions** in the system and better analytics.

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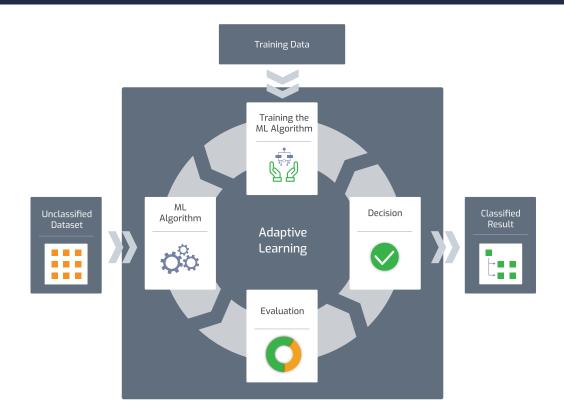
Mobile Application for Asset Data Collection

This application **eliminates the paperwork** during the data collection, decreasing the time for information to travel from the field to the database. It provides database management in a hands-on experience during data collection and verification.

Developed in SAP Cloud Platform, it is a native SAP application, meaning it doesn't require any extra 3rd party software between the database and the Application.



AI Application: Keel Intelligent Classification Kit (KICKer)



BENEFITS OF USAGE



Accuracy

Enhance the level of accuracy against human errors.

Productivity

Surpasses humanlevel performance and results in high efficiency.

\odot

Sync with SAP

Automatically assigns the applied class to the Material in S/4 HANA.



Application Self-learning

The application learns by itself from manually labeled data and/or actual training dataset.



Time Saving

KICKer will do components analysis but much faster and smarter.



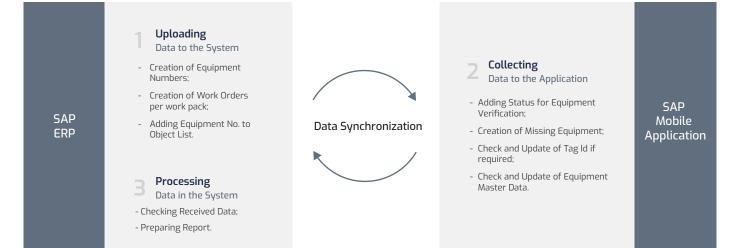
Reducing Routine Workload

Creates more space and time for developing employees' talents and creativity.



Asset Data Collection Application

PROCESS WORKFLOW FOR EQUIPMENT TAG VERIFICATION



BENEFITS OF USAGE

A

On-click Upload

Prevent accumulation of junk records in the database.



Fiori UX Intuitive interface designed to ease and boost data gathering or verification.



Mobility Work on portable devices in both online and offline modes.

Work Planning

Organization of work packs and work orders allows to estimate the amount of time.



Traffic Saving

Upload only the difference between data on the device and the database.



ERP Integration

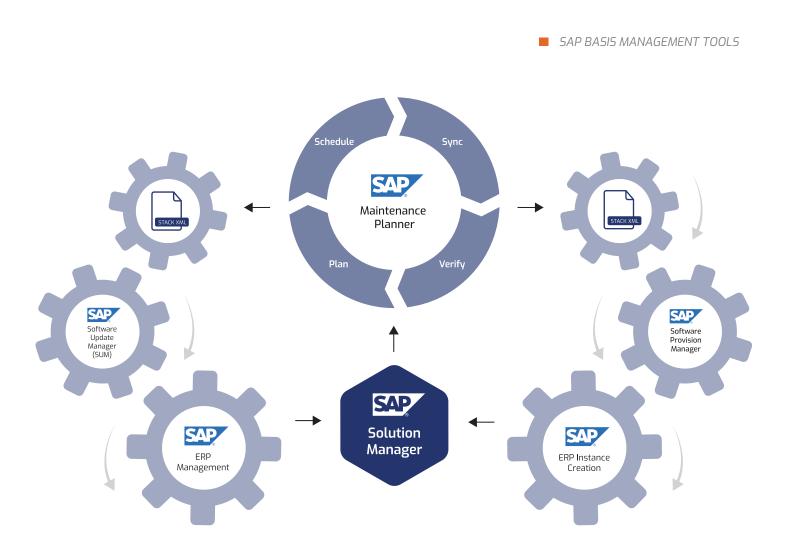
The information gathered onsite gets into the corresponding ERP locations.



SAP Basis Services

Main tools for SAP System Administration

To perform Basis operations for a given instance or its creation, we use three main software tools: Solution Manager, Software Update Manager (SUM) and Maintenance Planner. Together these tools form a loop that makes the ERP landscape turn.



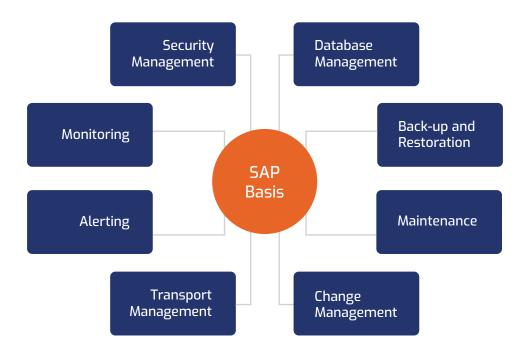


SAP Basis Services

Keel specialists have mastered the SAP Basis to help our customers to extract the maximum benefits from the ERP usage.

Briefly summarizing SAP Basis services provided by Keel is that assistance can be divided into 3 categories:

- Software-related:
 - Operation systems;
 - Middleware;
 - ERP components.
- Infrastructure:
 - Creation of instances in cloud and their maintenance.
- Users:
 - **D** Creation and configuration of user rules;
 - Access and authentication.





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