



Singular Logic

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IoT
From Raw Data to
Digital Twins

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Introducing SenseOne

SenseOne, WITSA Award winner 2018, a member company of SingularLogic Group, is a leading, innovator of IoT solutions that designs and implements IoT projects of varying sophistication levels, covering the growing demand for IoT data interoperability.

Our primary offering is **SenseOne IoT Platform** that removes the burden of cross-domain implementations in IoT segments of Smart Cities, Connected Buildings and Connected Assets

The customer base of SenseOne includes commercial banks, big retailers, real estate owners, facility management companies, hospitals, private schools, marinas, operators of industrial parks, utilities and municipalities.

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PROBLEMS WE SOLVE



Customer Needs

IoT Data Interoperability
in the IoT segments of
Smart Cities &
Connected Buildings

Pain Points

Cost and effort for
orchestration
of heterogeneous
IoT offerings/data sources

Systems



Production Line

PLC



Controllers



Meters



Air Compressor



Protocols

Serial/TCP

Modbus

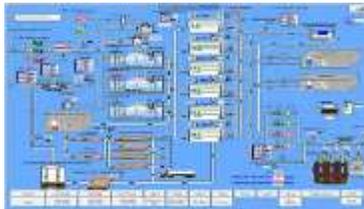
LON

BACnet

OPC

MQTT

Data Flow



SCADA Systems



EMS



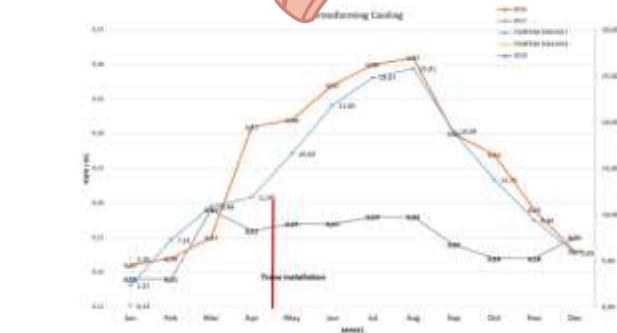
Manual Readings



Local Software

Output

	A	B	C	D	E	F	G	H	I	
1013	26/2/2018	891	349	907	899	243	748	220	2075	43
1014	27/2/2018	796	254	760	875	572	680	263	1150	36
1015	28/2/2018	826	237	788	851	953	707	906	1471	61
1016	1/3/2018	821	232	797	790	977	667	297	932	
1017	2/3/2018	767	334	747	877	1001	743	296	1322	
1018	3/3/2018	809	349	798	1004	1030	754	293	1755	
1019	4/3/2018	821	375	888			738	294	1528	
1020	5/3/2018	785	321	344	830	1003	727	297	1717	
1021	6/3/2018	789	367	351	890	938	258	333	1543	45
1022	7/3/2018	790	275	355	843	963		379	1964	25
1023	8/3/2018	832	347	366	856	1024		372	2130	54
1024	9/3/2018								2196	81



Graphs and Chart

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Systems

Data Flow

Output



Production Line

PLC



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Meters



Air Compressor



Protocols

Serial/TCP

Modbus

RTU

Nb IoT

Lora

LON

SCADA Systems

FMS

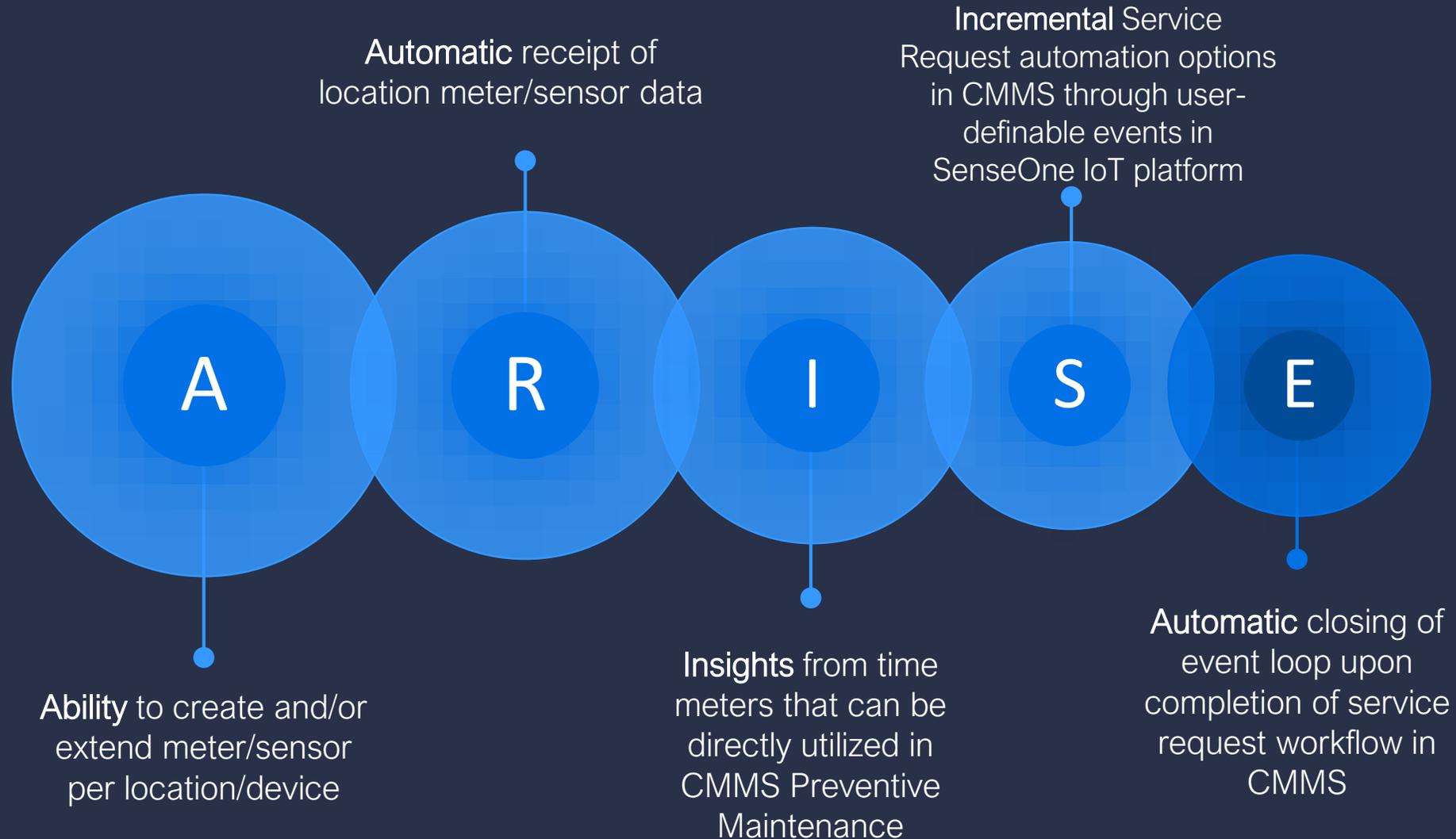
Manual Readings

Local Software



CMMS Integration

New functionalities enabled for CMMS users:



From Raw Data to Digital Twins



Digital Twins

- ❑ Digitization and visualization of facilities and installations to gain real time access to simplify decision processes



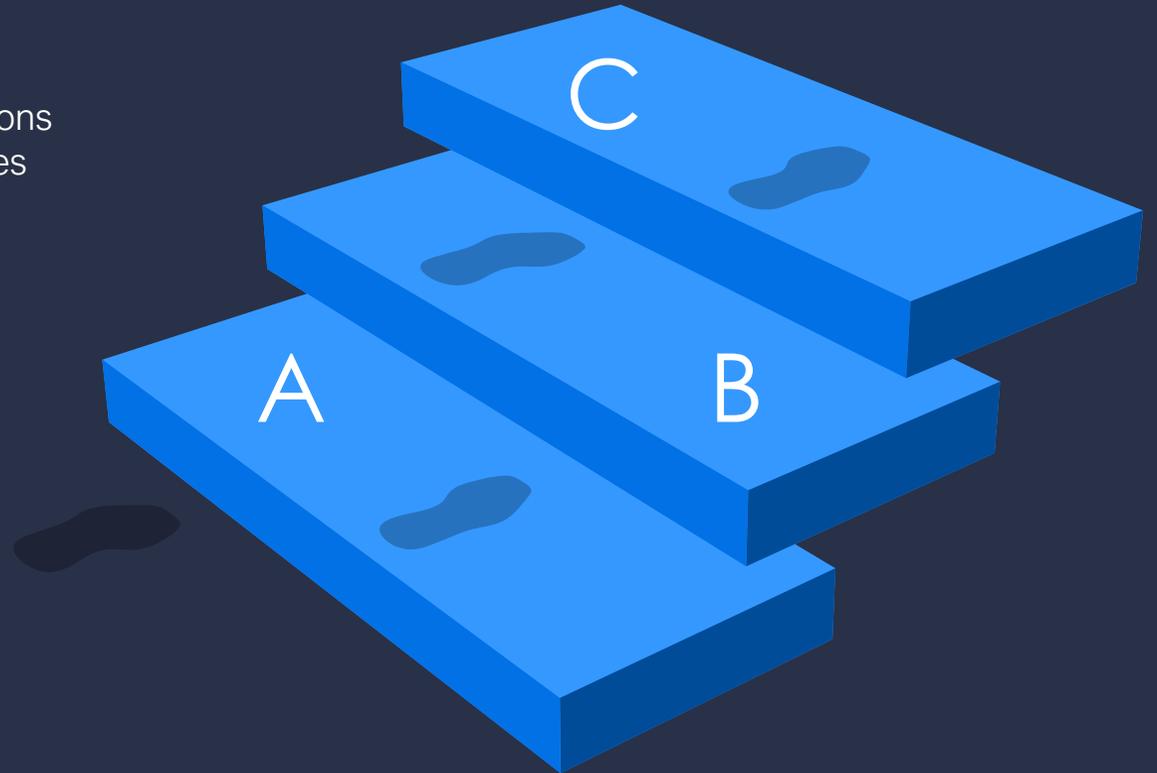
IoT / CMMS Integration

- ❑ Integrate business systems to facilitate critical maintenance processes



Raw Data

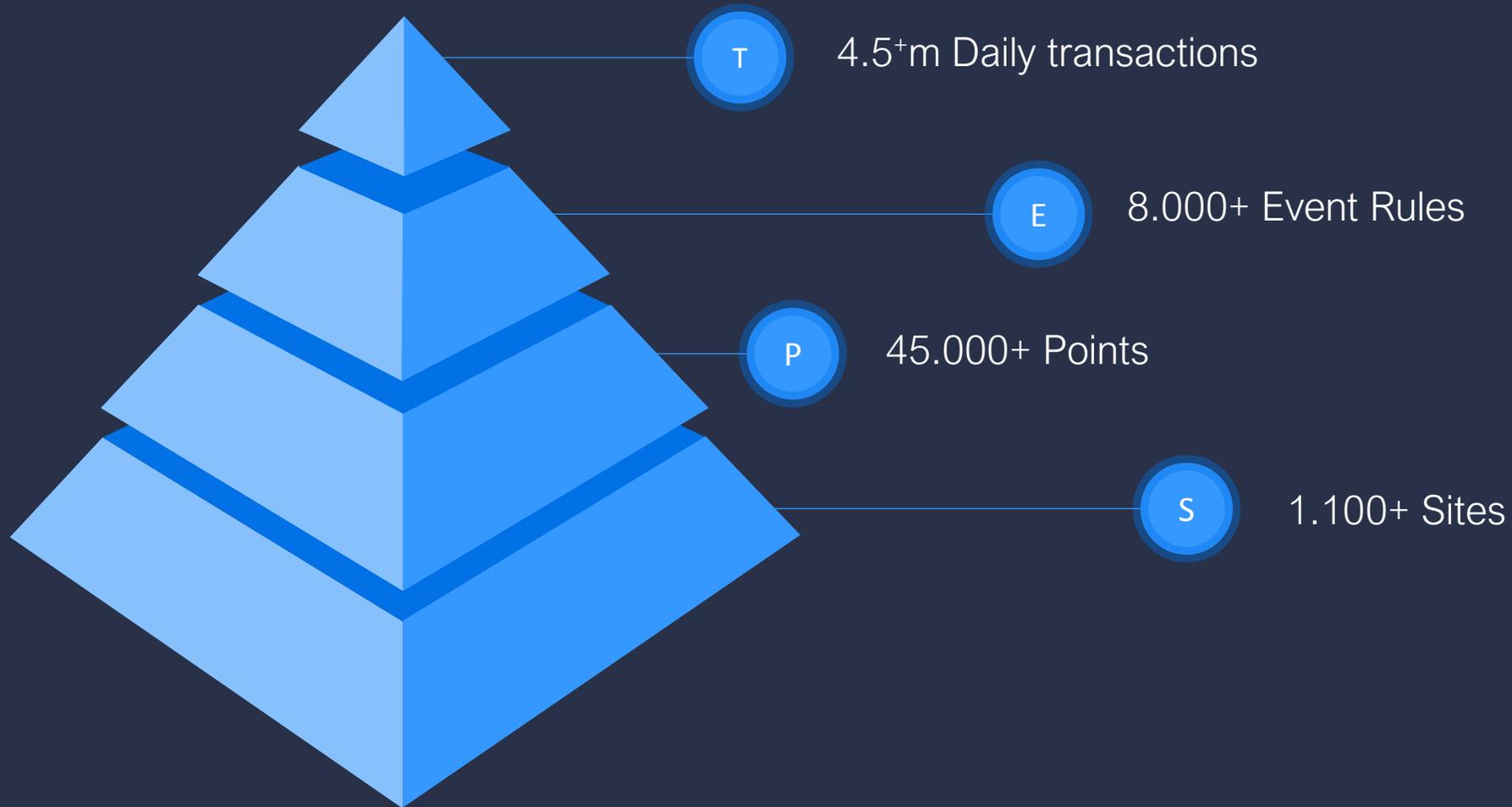
- ❑ Collect, transform, normalize and filter to create business insights



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SenseOne IoT Platform / Key figures



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