Enterprise Knowledge Graph
“today knowledge has power. It controls access to opportunity and advancement.” - Peter Drucker
“if we only knew what we know, we would be 30 percent more productive”
Lewis Platt
2.5 billion gigabyte per day

80% of enterprise data is unstructured
knowledge in companies is hoarded in various *datasilos*. It is hard to find the *right information*. 
$550 Billion in lost productivity per year in U.S. By 70% unengaged employees.
highly effective internal information infrastructure leads to **47%** higher returns

Compared to companies with least effective infrastructure
organize and distribute the company’s information and make it universally accessible and useful for every employee
Facebook – Social Graph (related)
Google – Knowledge Graph (related)
EKG - Concept
The Enterprise Knowledge Graph ...

... is a **disruptive platform** that combines emerging Big Data and graph technologies to **reinvent knowledge management** inside organizations.

... **replicates the unique network** of an organization with most of its relevant entities into a graph database.
EKG - Concept
EKG - Buzzwords

unified structure
responsiveness
central knowledge repository simplicity
turns straw into gold motivation
prevents information overload

increased knowledge sharing
engagement

bridging component productivity
harmonized knowledge access prevents redundant work
data-driven decisions

transparency

collaboration openness
Data Aggregation
EKG – The Knowledge Layer
EKG – Use Cases

Security Gap Detection

Gamification System

Information Flow Modeling

Social Network Analysis

Enhanced Enterprise Search

Intelligent Business Assistant

Enhanced Employee Profile

Automatic Tagging

Duplication Detection

Context Awareness

Expert Finder

Enterprise Recommendation System
Best Bets

Facility Information Palo Alto
Check this page for information about SAP Facility in Palo Alto.

Palo Alto Campus
Welcome to Palo Alto - Campus.

Lunch Menu Palo Alto
This overview provides the lunch menu for SAP Palo Alto.

PAL (Palo Alto) - SAPedia
Wiki page | SAPedia
Palo Alto SAP Palo Alto Office Phone: +1-650-849-4000; Internal Dialing: 8-289-xxxx (user ext.) Palo Alto, California 94304 SAP PALO ALTO Buildings & Addresses: PAL01 3410 Hillview Ave PAL02 3412 Hillview Ave PAL03 3420 Hillview Ave PAL04 3450 Hillview Ave PAL05 3408 Hillview Ave PAL06

COIL Palo Alto
https://research.navigator.wdf.sap.corp/wiki/index.php/Lab:COIL_Palo_Alto
Wiki page
Lab COIL Palo Alto Situated in Silicon Valley, the Palo Alto location combines particularly the proximity to a wide range of branches of innovative technology and software solution partners with the SAP Americas field organization, and SAP development to accelerate co-innovation. Facts Attachments (...)

Technology Development Support, Palo Alto
https://portal.wdf.sap.corp/nl/nl/portal?NavigationTarget=navex(ROLES%3cao)_ page | Tatjana Heinrich | (HTML 17 KB)
Technology Development Support, Palo Alto Page

SAP Palo Alto
https://mediashare.wdf.sap.corp/public/media/0_ydnud9w/
Image | Kalsi, Prabhpreet Singh
HDR image of SAP Palo Alto

SAP Labs - Palo Alto

SAP Palo Alto campus is located in the midst of one of the world’s most successful and best-known research parks located in the San Francisco Bay Area in the center of Silicon Valley. With its rich concentration of high growth technology companies and internationally recognized research labs...

Address: 3410 Hillview Ave, Palo Alto, CA 94304
Phone: (650) 849-4000
Headcount: 2126
Main Boards: P&I, G5, SQ&S
Cafeteria: Cafe 1, Cafe 2, Cafe 3 - Lunch Menu

Employee Services

FIT Club | Commuter Club | Fun Room | Auto Services | Group Exercise

Buildings

PAL01 | PAL02 | PAL03 | PAL05 | PAL08
EKG - Implementation
Enterprise Ontology Model (simplified)
Prototype – powered by SAP HANA
Prototype - Visualization
Prototype - Status

Graph Store – Deployed
Data Aggregation – Implemented
Knowledge Access – Implemented
Data Visualization – Implemented
Data Analysis – In Development
Recommendation Engine – In Development

30 Connected Datasources

20 Entity Types

8 Different APIs

1 Million Aggregated Entities

4 Million Aggregated Associations
Thanks

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