

AI powered

אינטליגנציה

COGNITIVE INTELLIGENCE



Asc27 S.r.l.

A StartUp that is innovative by vocation. Innovative from its Foundation, in its Foundations.

With its operational headquarters and Development Team in Rome (IT), ASC27 s.r.l. has a SW Development Team, a Data Scientist and an Annotator dedicated to the branch of software known as Artificial Intelligence. Dealing with Deep Learning, Machine Learning, One Shot Prediction and Long Term Forecasting, ASC27 s.r.l. has gained experience and produced components of Patent Pending software in the areas of Cognitive Intelligence and Media Analytics.

In each project it faces, the ASC27 Development Team brings at least 100 years of operational experience. << We create KNOWLEDGE >>. ASC27.



COGNITIVE INTELLIGENCE

DENC is an Artificial Intelligence-powered platform developed for Cognitive Intelligence analysis purposes. Using Deep-Learning algorithms, the software allows you to analyze and extract information from any kind of Video, Audio or Written source.

DENC largely relies on Neural Networks, Deep Learning and Machine Learning Algorithms to discover the world around it. *DENC understands the world just as humans do.*

1



METADATA

Generates automatic metadata from a given Audio/Video or Textual source.

2



BRAND

Indirect or covert advertising becomes measurable with DENC.

3



FACE

DENC brings the Face-Recognition at scale. Celebrities, Politicians, Public characters, more than 20k faces are already in database.

4



Copyright Protection

Whichever way content has been modified, stretched, mirrored or altered, DENC recognizes it just as humans would.

4



More

DENC is able to offer many other and dedicated vertical features for Producers, OTT Platforms and Broadcasters.



“I’m DENC.
I’m Watching and
Understanding
content like humans
would.”

Cit.: An Artificial Intelligence

GALLERY

DENC OVERVIEW



An Artificial Intelligence **watches** contents just like a human would do; DENC is able to recognize actions, objects, and people, whether is watching to extract valuable information, recognize patterns, make predictions and forecasts, measure the data and **correlate** them. Using up to 20 Neural Networks to process the **monitored sources**, and bonding them to extract the analysis results, DENC is actually considered **the most advanced and comprehensive Cognitive Intelligence platform** in the world.

Cloud Native

Ready to expand as needed

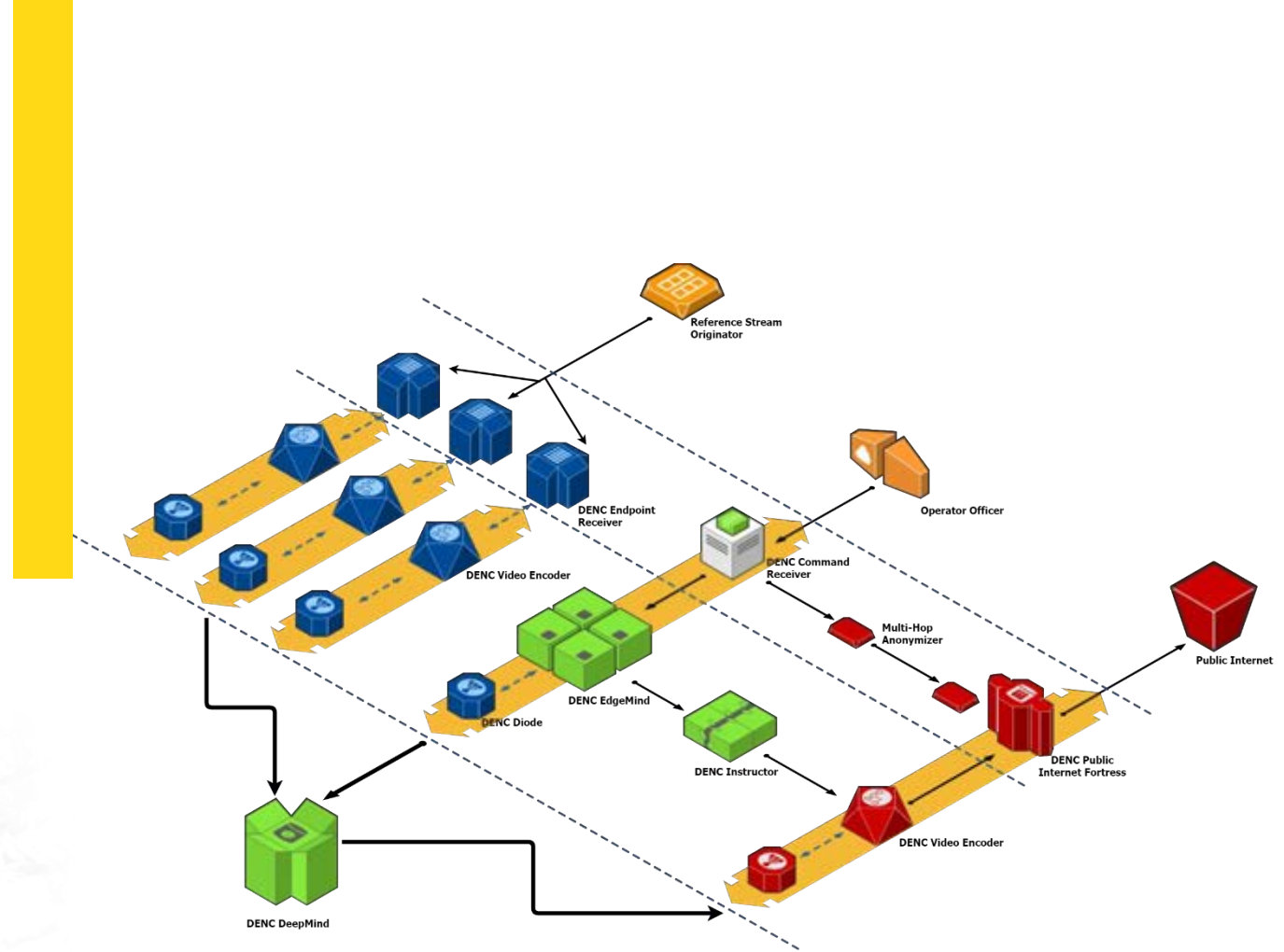
The DENC Architecture is born to live in the Cloud. It extensively uses Nvidia GPU Technology to massively run the cognitive algorithms against the monitored sources.

EVEN ON-PREMISES

Whether the workload is known or the operations are executed in batch mode, the DENC Platform is available in a On-Premises Version. Depending on the Workload too: the DENC platform could be installed on a Workstation or on a Server, and work with Tesla or Pascal Nvidia Technologies.

EVEN ON PRIVATE CLOUDS

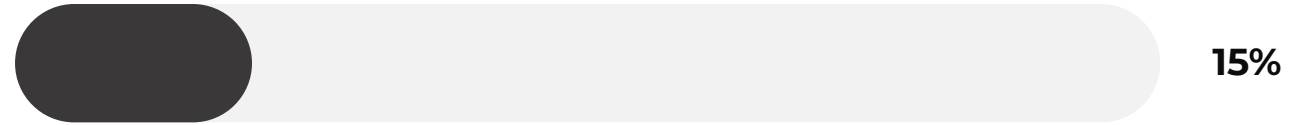
Supporting RedHat OpenShift and Kubernetes, DENC is available for Private Cloud environments too. The portability of its code-base allows us to adapt the DENC Platform to run in any given scenario.





BEFORE

EXTRACTED KNOWLEDGE FROM CONTENT



AWARENESS ABOUT YOUR CONTENT



DURING

EXTRACTED KNOWLEDGE FROM CONTENT



AWARENESS ABOUT YOUR CONTENT





THE HUMAN TEAM

DENC IS SUPPORTED BY HUMANS

The DENC Platform is **constantly updated** by a dedicated team of annotators and Data-Scientists. For every new user-story, and for every new customer DENC faces, its **knowledge is expanding** and its **abilities are improving**.

ANNOTATORS

The Annotation team is constantly updating DENC to **recognize new concepts** and new actions to understand all of the different shades of the world it is analyzing. The Annotators are also called to action whenever a new specific vertical problem arise for DENC, so all you need to do is **JUST ASK**.

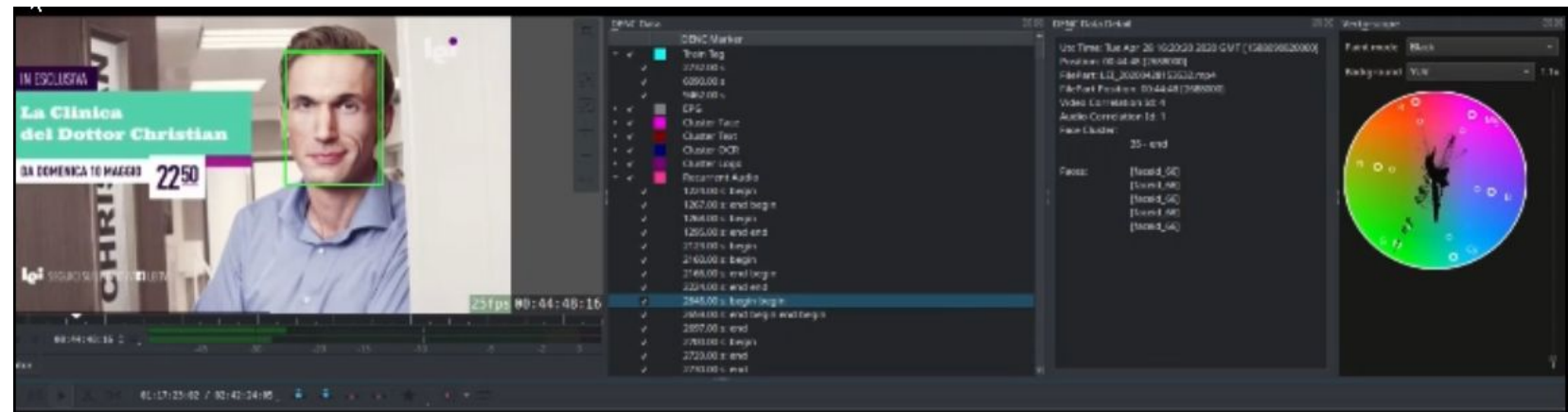
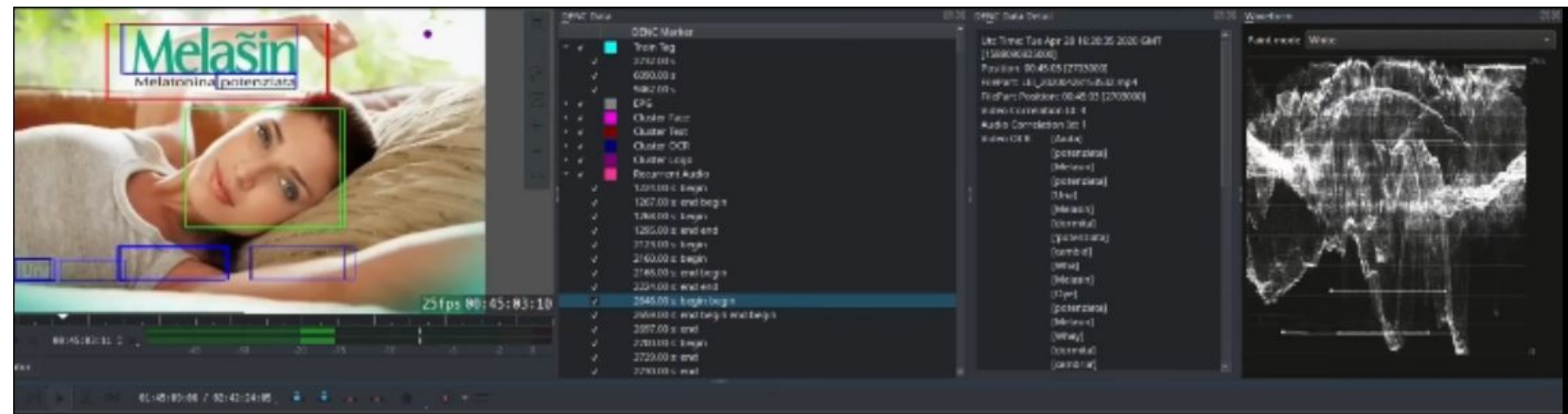
DATA SCIENTIST

The Data-Scientist Team is always checking on the **DENC performances**. A complex and dedicated infrastructure for Reinforcement Learning brings DENC new materials to be trained on. The Data-Scientist Team will always assure that the **F1-Score** of the applied algorithm is **over the 95%**.

יחידה



“To Know:
Know what
happens,
even while
you are not
watching”



SITUATIONAL AWARENESS

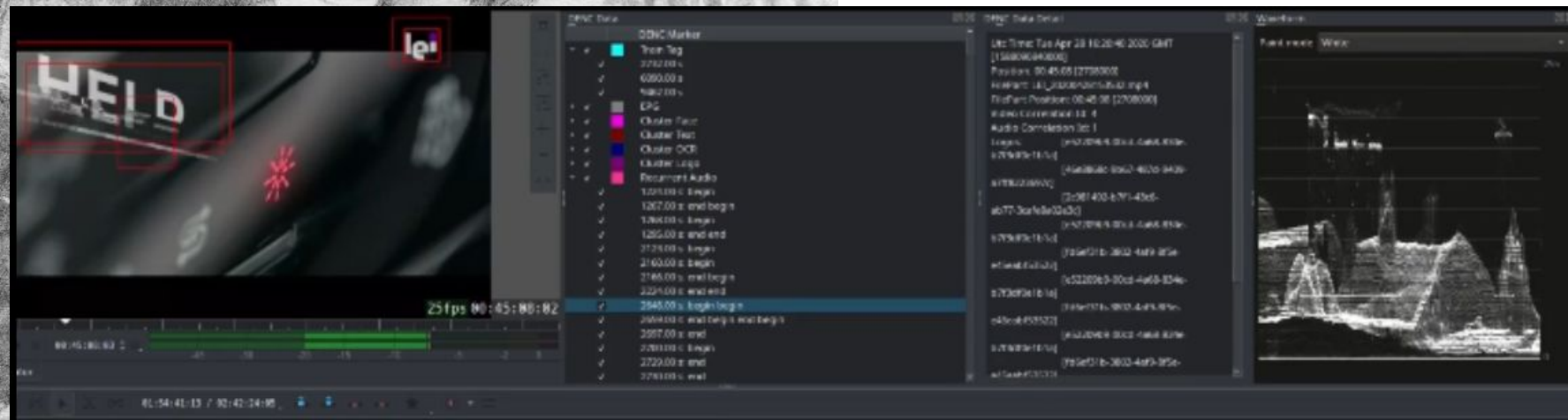
The DENC Neural Networks are always probing the content searching for all the possible meanings and clues inside it. The DENC Artificial Intelligence engine is always seeking for relations between all the discovered features in a piece of information. Whatever source DENC is analyzing, all the **Video**, **Audio** and **Written** pieces of information are evaluated and correlated among them to extract and measure the **real meaning** of what DENC is watching.



a people-oriented
understanding
system

Knowing what information is
available in a given content
is the first step to use it.

Knowing
understanding



FEATURES

The DENC Job



ARTIFICIAL INTELLIGENCE

DENC AI engine is able to understand exactly what is going on, just as humans would.



PLAN THE RESOURCE UTILIZATION

DENC resources utilization are predictable and scale linearly with the defined workload.



PRIVACY PROOF

DENC does not retain confidential or personal information. It stores only statistical numeric information for its own training and analytical purposes.



SITUATIONAL ANALYSIS

DENC creates pictures about the current situation, and enables the analysis of previously taken decisions, to endorse the reaching of defined objectives.

EXTRA FEATURES



AUTONOMOUS LEARNING

DENC learns from the data and information that its AI extracts from the provided sources. After just a week of use, DENC begins to make predictions and forecasts on the new contents it analyzes.



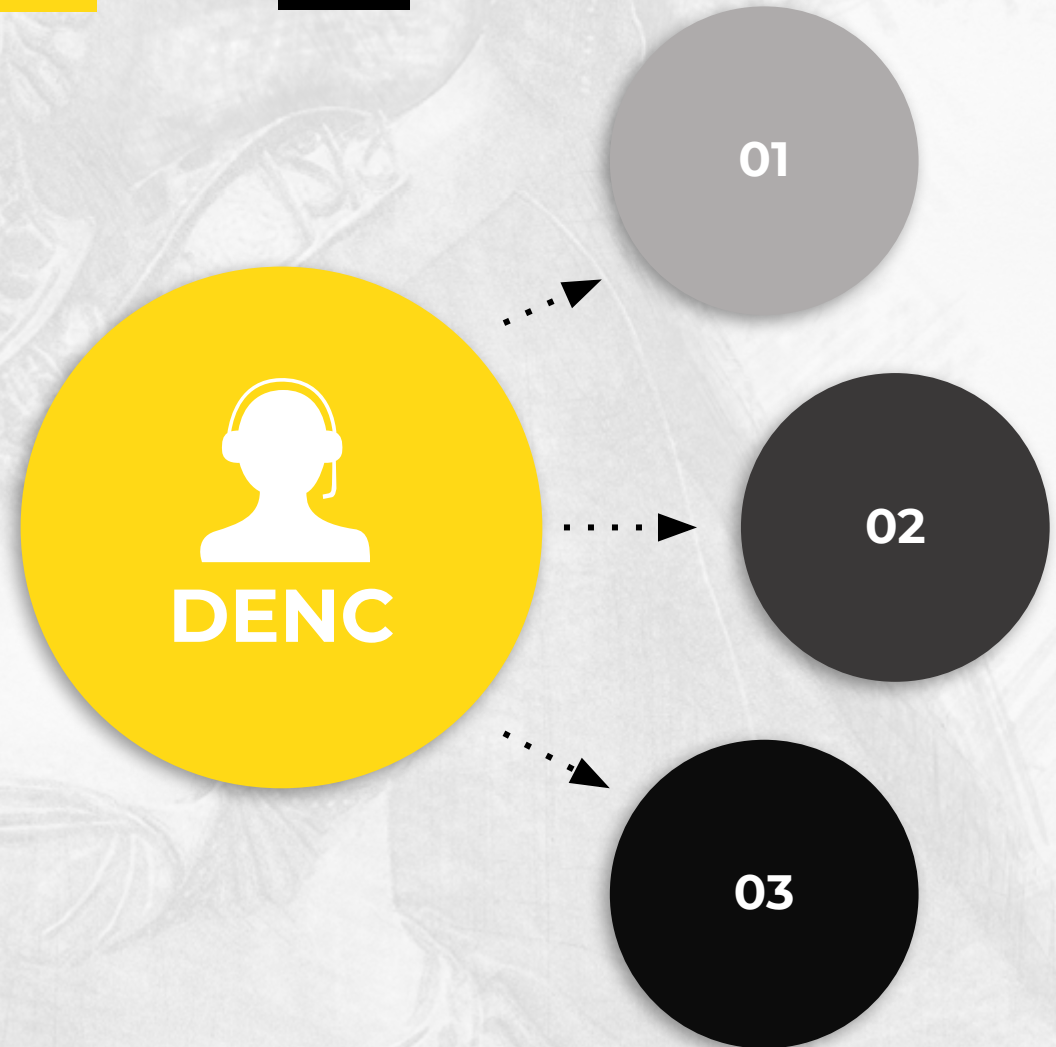
SEMANTIC RECURRING PATTERNS

DENC is able to highlight and pinpoint **semantic recurring patterns** in the data it is analyzing in automatic, supervised or manual mode.



MEASURE

It allows to **measure** over time the effectiveness of previous decisions on the published contents to better assess the strategy for upcoming ones.



ASK FOR A LIVE DEMO

Are you interested? DENC is available for a DEMO. Request a LIVE demonstration to find out what DENC can do for you or send us a Use-Case to be tested for your vertical purposes.

We will show you DENC in action.

EXPLORE



A detailed pencil sketch of a gladiator in a dynamic, forward-leaning pose, holding a spear. The drawing is rendered in shades of gray with fine lines and cross-hatching for shading. The gladiator wears a helmet with a crest and a loincloth. The background is a light gray with some sketchy lines.

THANK YOU



ASC27

WEBSITE:

www.asc27.com

