

# LAURINI

OFFICINE  
MECCANICHE

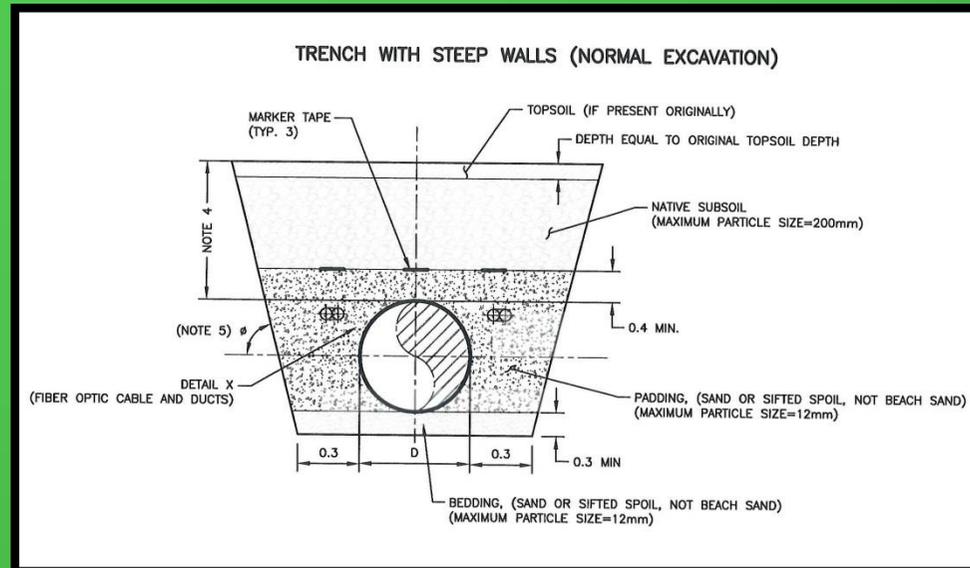




# A CASE STUDY "VULCANO" PADDING MACHINE

**IPLOCA Regional Meeting**  
**Parma, 9 June 2016**





## SAND BEDDING AND PADDING : WHAT ARE?

- Sand bedding and padding is one of the most frequently used supplementary mechanical protection;
- Sand padding is applied in the field. After the pipeline trench is opened, sand or fine gravel is brought in using sand trucks, usually from a commercial sand pit in the region;
- The select backfill method (also called mechanical padding) was created to offer mechanical protection to the pipeline by taking advantage of the local material that was excavated at the opening of the trench.



## WHY MECHANICAL PADDING ?

- Sand padding brought in using sand trucks can be expensive and not effective, especially on long distance, medium to large pipe diameter projects;
- Mechanical padding allows to recycle the local material excavated at the opening of the trench which is fed into the mechanical padding machine, where it is screened based on size. Although requiring a specific machine (the Padding Machine) is very often advantageous and cost effective compared to Trucking Padding.

# PADDING MACHINES

Traditionally and for more than 40 years, machines have been of self-loading type, consisting of a frontal elevator and only one operator driving the machine and executing the padding operation.

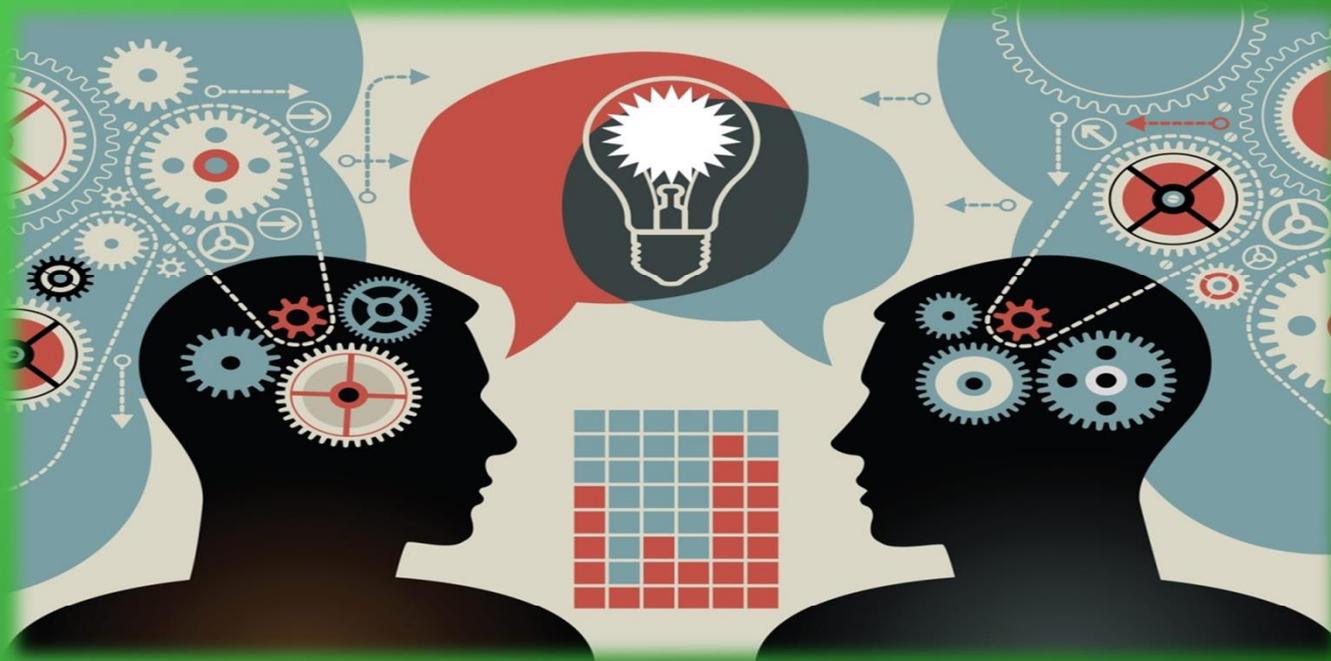
However on medium to large diameter projects one machine may not be enough to complete the Padding Operation.

Making necessary to employ more units or perform several passes with the same machine.



# INNOVATION

Based on these considerations, Thanks to the Sprit of Innovation, Laurini has always been identified by the invention of new products, with its latest concept that has revolutionized the padding machine.



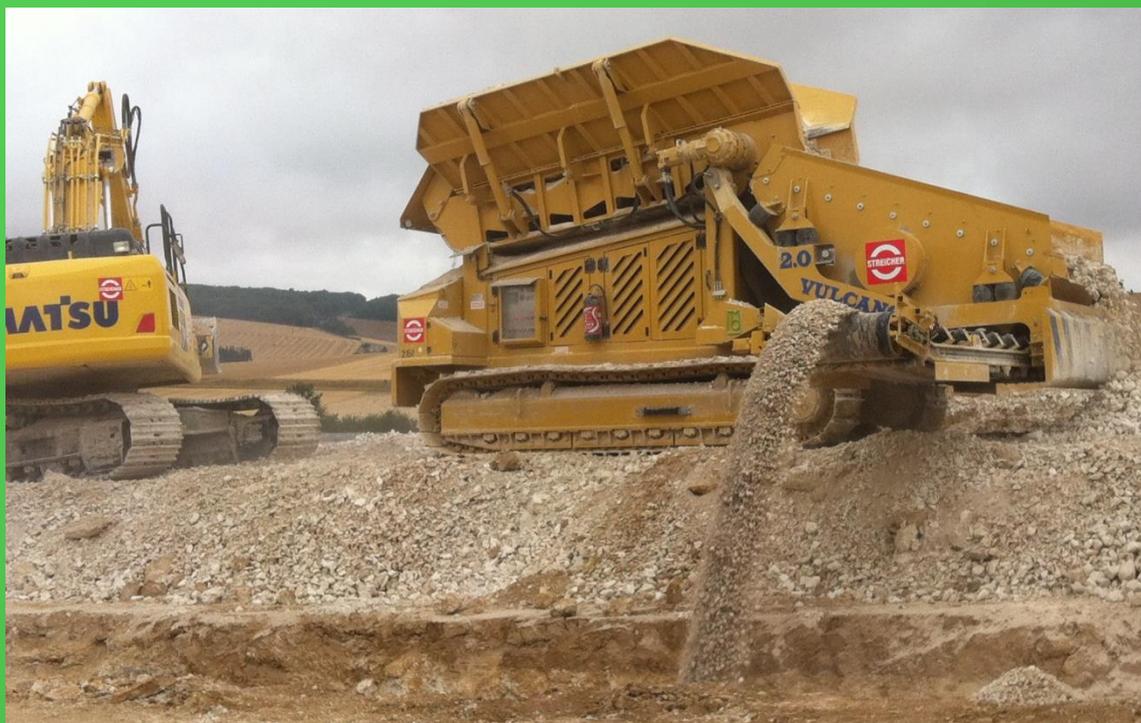
THIS MACHINE IS CALLED “VULCANO”





## VULCANO 2.0

- Self-propelled with remote control
- Loading by means of an excavator (selection of the best material to feed, leaving aside big stones or patches)
- No need to travel to load the material
- Padding operation achieved in just one pass (even with big diameter, wide trenches and regardless of wet conditions or low percentage of fine material)



## VULCANO 2.0

Thanks to the versatility and ease of operation the machine has been, and still is, a great success.

At first within Europe only and lately in all five continents.

Especially in the US Padding Machines were typically Self-Loading because of a conservative view.

This state of mind was overcome by sending a unit for free, making local contractors change their mind and turning the Vulcano in the most popular and requested machine.



VULCANO AND LAURINI PADDING MACHINES : BEWARE OF IMITATIONS



*Where our machines have worked*



**Thank you for your attention,**  
**and see you at the**  
**Fall Session of Novel Construction !**

**Questions ?**

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