



In 2019, the Italian Patent Office (UIBM) granted the Italian Patent, and ... just 4.5 years later, in June 2023, the European Patent Office has issued the European Patent.

**TODAY**

A messy workshop



We are all car passengers: owners, family, friends, taxi users, VIPs in company cars, and we all can be seated on the rear of two-rows vehicles. Today, we experience the "workshop look" presented by global automotive OEMs. No one is making mistakes: it's simply "...how things are done today".

Someone realized that his feet were placed in the middle of a workshop, sketched some ideas, and imagined a more inviting "sitting room look". When his wife responded with "più bella!" the patent process began in 2016.

**WHITH SEATBRIDGE**

An elegant sitting room



We are a new company dedicated to enhancing automobile, naval, and electronic technologies. Our mission is to carefully examine existing solutions, assess their benefits and drawbacks for all stakeholders, identify potential improvements, and design alternative solutions to propose to everyone involved.

We are proud to sponsor  
EURO CAR BODY 2024,  
the ideal event for showcasing:



More details on  
<https://seatbridge.eu>



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The SeatBridge solution facilitates Front Seats Assembly preparation, including complete wiring for front seats and the central console.

It offers several logistics benefits:

- Reduced packaging issues
- Lower transportation costs to the OEM venue
- Fewer OEM management challenges
- Significant reduction in internal movements to the cars Final Assembly Line
- Decreased labor on the cars Final Assembly Line
- Lower environmental impact

The value of these benefits can be easily assessed for any car production and will undoubtedly yield noticeable results.

A. Dandolo - ALFAPROJECT.NET Srl (TESYA Spa)



The SeatBridge solution, in way of automated labour reduction, is a two folds innovation:

- labour increase due to Front Seats Assembly preparation,
- labour decrease due to Front Seats Assembly one-shot mounting onto the car.

The above points surely will create a turn-over increase for the Front Seats Assembly Maker and also surely will allow a labour cost reduction on the Final Assembly Line caused by the possible shift from 3 to 1 Work Stations. In terms of Takt Time and work complexity there are no evidencies of special difficulties to be solved. Overall, SeatBridge patent is worth of the greatest attention from all automobile stakeholders.

G. Valdambrini - CASSIOLI GROUP

**SeatBridge**®

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Would it be more  
convenient to have  
this possibility?

Let's assume this is a  
BIW currently used today



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Development of a method for comparing industrial processes using DSM: application for a case studying the automotive sector, the SeatBridge patent.

D. Grazzini, et al.

...At the end of the study, it was possible to answer the question of whether the patent had improved the current production process in terms of time, and the answer was affirmative, with a reduction in assembly time of the order of 30%.



SB-SINTEC has requested the development of a preliminary project for a SeatBridge and Front Seats Assembly to be mounted on a car type having similar geometries of current models.

The BIW and seats guides have been modified accordingly, and ABACAD has done the whole work also including the Y axis movement of the FSA for its introduction into the car body.

No difficulties have been found: it is a normal engineering procedure and we do not expect any special issue for testing and certification of final design.

D. Borriero - ABACAD Srl