Entrepreneurship and innovation are buzz words at the origin of many expectations in terms of activity and thus job creation. Many systems aimed at promoting innovative technologies for creating jobs exist often with limited success. By using my experience of creating from scratch Novasep, a company serving life science industries, having generated 330 m€ sales in 2013, with 1300 employees and 10 production sites worldwide I am proposing some views. Entrepreneurship is possibly the ability to identify a change, to transform this change into opportunity, and this opportunity into activity. Entrepreneurism is consubstantial with innovation; there is no entrepreneurship without innovation. Certainly money and adequate environment are interesting ingredients, but it is shown that the real key for success is the individual named entrepreneur, and that he is driven by passion and willingness to take and assume risks. Some perspectives offered by life science industries for chemical engineering are also discussed. No question that, with a ton of passion, but also with a few grams of luck, innovative chemical engineering can provide great means to create some of the jobs that we so badly need.